



CryptoServer

Error Reference

Imprint

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document version	4.10.0.7
date	March 2017
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document no.	2003-0001

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1 Introduction

This document contains a complete list of all standard error codes that can be generated by any software developed for Utimaco hardware security module CryptoServer. Error codes that are generated by customer specific software developed for the CryptoServer are not described in this document. They are described in the individual documentation of that customer-specific software.

2 Structure of the error codes

All error codes are built according to a special scheme. Based on the value of an error code it can uniquely be identified which part of the software has generated the error. Each error code is a 4 byte integer displayed as a 8-digit hexadecimal number. The first digit is always a 'B'. The second digit divides the error code into three classes:

- Second digit is in the range '0' to '3':

This means the error is generated from any firmware module inside the CryptoServer. In this case the second to the forth digit define the ID of the firmware module (Function Code, FC). The last four digits contain the individual error code within this firmware module. For example, the error code B087000F is generated from the firmware module 0x087 (the administration module ADM), which issued the error code 000F. Currently, only error codes starting with B0 are defined by Utimaco. All error codes starting with B1 are reserved for firmware modules developed by customers or OEM partners. The error code prefixes B2 and B3 are not used yet and are reserved for future use.

- Second digit is '9':

This means the error is generated by any standard software outside the CryptoServer, for example the device driver for the CryptoServer, the TCP software of the CryptoServer LAN or an API running on a host system. In this case the third and forth digit identify the software module. The last four digits contain the individual error code within this software. For example, the error code B9010007 is generated from the software identified by its id 0x01 (the UNIX version of the TCP section of the CryptoServer API, CSAPI), which issued the error code 0007.

- Second digit is 'A':

This means the error is generated by any customer specific software outside the CryptoServer,

for example a customer specific API running on a host system. In this case the third to the fifth digit identify the software module. The last three digits contain the individual error code within this software.

These error codes are not described in this document.

3 Error Description Table

B000xxxx – CryptoServer module SMOS

Code	Description
B00001xx	CryptoServer module SMOS SENS section
B0000100	CryptoServer module SMOS SENS section Sensory write error
B0000101	CryptoServer module SMOS SENS section Sensory read error
B0000102	CryptoServer module SMOS SENS section Bad info type
B0000103	CryptoServer module SMOS SENS section Error during memory allocation
B0000104	CryptoServer module SMOS SENS section Sensory I/O error
B0000105	CryptoServer module SMOS SENS section Corrupted Master Key
B0000106	CryptoServer module SMOS SENS section Sensory error answer
B0000107	CryptoServer module SMOS SENS section CryptoServer not in alarm state

Code	Description
B0000108	CryptoServer module SMOS SENS section Sensory read timeout
B0000109	CryptoServer module SMOS SENS section Alarm still present, can't reset
B000010A	CryptoServer module SMOS SENS section Controller: read timeout
B000010B	CryptoServer module SMOS SENS section Controller: bad command
B000010C	CryptoServer module SMOS SENS section Controller: bad address
B000010D	CryptoServer module SMOS SENS section Controller: bad data
B000010E	CryptoServer module SMOS SENS section Controller: bad CRC
B000010F	CryptoServer module SMOS SENS section Bad CRC in answer
B0000110	CryptoServer module SMOS SENS section Invalid parameter
B0000111	CryptoServer module SMOS SENS section Buffer size too small

Code	Description
B0000112	CryptoServer module SMOS SENS section Invalid length of answer data
B0000113	CryptoServer module SMOS SENS section Invalid job state
B0000114	CryptoServer module SMOS SENS section Sensory controller is locked
B000013x	CryptoServer module SMOS Sensory Controller section
B0000130	CryptoServer module SMOS Sensory Controller section unknown error code
B0000131	CryptoServer module SMOS Sensory Controller section timeout
B0000132	CryptoServer module SMOS Sensory Controller section bad command
B0000133	CryptoServer module SMOS Sensory Controller section bad address
B0000134	CryptoServer module SMOS Sensory Controller section bad data
B0000135	CryptoServer module SMOS Sensory Controller section bad CRC

Code	Description
B0000136	CryptoServer module SMOS Sensory Controller section I2C error
B0000137	CryptoServer module SMOS Sensory Controller section currently busy
B00002xx	CryptoServer module SMOS device section
B0000201	CryptoServer module SMOS device section notifies if an error occurs during operation
B0000202	CryptoServer module SMOS device section device is used by an other session
B0000203	CryptoServer module SMOS device section illegal device name length or charset
B0000204	CryptoServer module SMOS device section illegal mode of operation
B0000205	CryptoServer module SMOS device section passed parameter illegal
B0000206	CryptoServer module SMOS device section session handle not allowed
B0000207	CryptoServer module SMOS device section corrupted data

Code	Description
B0000209	CryptoServer module SMOS device section can't allocate memory space
B000020A	CryptoServer module SMOS device section no private module function
B000020B	CryptoServer module SMOS device section no serial device available
B00003xx	CryptoServer module SMOS serial device section
B0000301	CryptoServer module SMOS serial device section bad handle
B0000302	CryptoServer module SMOS serial device section device already open
B000030D	CryptoServer module SMOS serial device section read error on serial line
B000030E	CryptoServer module SMOS serial device section parameter to be modified is invalid
B0000310	CryptoServer module SMOS serial device section invalid parameter value to set control of SL
B0000311	CryptoServer module SMOS serial device section timeout while reading char from serial line

Code	Description
B0000312	CryptoServer module SMOS serial device section parity error
B0000313	CryptoServer module SMOS serial device section receiver over-run
B0000314	CryptoServer module SMOS serial device section receiver frame error
B0000315	CryptoServer module SMOS serial device section no data ready to read
B0000381	CryptoServer module SMOS serial device section too many lines open
B0000382	CryptoServer module SMOS serial device section error setting line parameters
B0000383	CryptoServer module SMOS serial device section can't open device
B0000384	CryptoServer module SMOS serial device section handle not open
B0000385	CryptoServer module SMOS serial device section invalid handle
B0000386	CryptoServer module SMOS serial device section invalid parameter value

Code	Description
B0000387	CryptoServer module SMOS serial device section invalid parameter type
B0000388	CryptoServer module SMOS serial device section error on read
B0000389	CryptoServer module SMOS serial device section timeout on read
B000038A	CryptoServer module SMOS serial device section error on write
B000038B	CryptoServer module SMOS serial device section timeout on write
B000038C	CryptoServer module SMOS serial device section error on ioctl
B0000390	CryptoServer module SMOS serial device section no valid device name
B0000391	CryptoServer module SMOS serial device section no valid Buffer selected
B0000392	CryptoServer module SMOS serial device section line state parameter incorrect
B0000393	CryptoServer module SMOS serial device section line select parameter incorrect

Code	Description
B0000394	CryptoServer module SMOS serial device section error in communication driver
B0000395	CryptoServer module SMOS serial device section Parity Error
B00004xx	CryptoServer module SMOS i2c device section
B0000401	CryptoServer module SMOS i2c device section one parameter is wrong
B0000402	CryptoServer module SMOS i2c device section got no acknowledge after sending a byte
B0000403	CryptoServer module SMOS i2c device section bad device identifier
B0000404	CryptoServer module SMOS i2c device section device does not exist
B00005xx	CryptoServer module SMOS file section
B0000501	CryptoServer module SMOS file section file system not initialized
B0000502	CryptoServer module SMOS file section the file is already opened
B0000503	CryptoServer module SMOS file section file name is not allowed

Code	Description
B0000504	CryptoServer module SMOS file section invalid open mode
B0000505	CryptoServer module SMOS file section the directory does not exist
B0000506	CryptoServer module SMOS file section the file does not exist
B0000507	CryptoServer module SMOS file section the file doesn't / already exists
B0000508	CryptoServer module SMOS file section invalid parameter
B000050A	CryptoServer module SMOS file section the file isn't open for access mode
B000050B	CryptoServer module SMOS file section position offset not allowed
B000050C	CryptoServer module SMOS file section no more memory space available
B000050D	CryptoServer module SMOS file section no bad block table
B000050E	CryptoServer module SMOS file section invalid magic tag

Code	Description
B0000510	CryptoServer module SMOS file section flash file device is still busy
B0000511	CryptoServer module SMOS file section flash file device replies an error
B0000513	CryptoServer module SMOS file section illegal page address
B0000514	CryptoServer module SMOS file section page parity error
B0000515	CryptoServer module SMOS file section file system is read only
B0000516	CryptoServer module SMOS file section bad file handle
B0000517	CryptoServer module SMOS file section file system full
B0000518	CryptoServer module SMOS file section file table full
B0000519	CryptoServer module SMOS file section file corrupted
B000051A	CryptoServer module SMOS file section different file systems

Code	Description
B000051B	CryptoServer module SMOS file section bad file system type, can't mount
B000051C	CryptoServer module SMOS file section too many bad blocks, giving up
B000051D	CryptoServer module SMOS file section detected bad block in flash file
B000051E	CryptoServer module SMOS file section bad flash page geometry
B000051F	CryptoServer module SMOS file section too many open file handles
B00006xx	CryptoServer module SMOS task section
B0000601	CryptoServer module SMOS task section stack overflow
B0000602	CryptoServer module SMOS task section stack corrupted
B0000603	CryptoServer module SMOS task section buffer size too small
B0000604	CryptoServer module SMOS task section memory allocation failed
B00007xx	CryptoServer module SMOS AUDIT section

Code	Description
B0000700	CryptoServer module SMOS AUDIT section Audit file does not exist
B0000701	CryptoServer module SMOS AUDIT section Audit files full
B0000702	CryptoServer module SMOS AUDIT section File system full
B0000703	CryptoServer module SMOS AUDIT section Buffer too small
B0000704	CryptoServer module SMOS AUDIT section Memory allocation failed
B0000705	CryptoServer module SMOS AUDIT section Invalid configuration item
B0000706	CryptoServer module SMOS AUDIT section Configuration value out of range
B0000707	CryptoServer module SMOS AUDIT section Invalid parameter value
B0000708	CryptoServer module SMOS AUDIT section Invalid audit handle
B00008xx	CryptoServer module SMOS MDL section

Code	Description
B0000801	CryptoServer module SMOS MDL section Error during memory allocation
B0000802	CryptoServer module SMOS MDL section Invalid input parameter
B0000803	CryptoServer module SMOS MDL section module already exists
B0000804	CryptoServer module SMOS MDL section module table full
B0000805	CryptoServer module SMOS MDL section illegal parameter passed
B0000806	CryptoServer module SMOS MDL section event not reached
B0000807	CryptoServer module SMOS MDL section module not found
B0000808	CryptoServer module SMOS MDL section can't write module to SDRAM directory
B0000809	CryptoServer module SMOS MDL section bad signed licence file
B000080A	CryptoServer module SMOS MDL section can't read bl_ini file

Code	Description
B000080B	CryptoServer module SMOS MDL section SLF parameter not found
B000080C	CryptoServer module SMOS MDL section invalid MTC file
B000080D	CryptoServer module SMOS MDL section invalid MMC file
B000080E	CryptoServer module SMOS MDL section No MTC signature present
B000080F	CryptoServer module SMOS MDL section Config parameter not found
B0000810	CryptoServer module SMOS MDL section Module does not match hardware type
B0000811	CryptoServer module SMOS MDL section invalid MSC file
B0000812	CryptoServer module SMOS MDL section MSC verification failed
B0000813	CryptoServer module SMOS MDL section Function not supported
B0000814	CryptoServer module SMOS MDL section Function not available

Code	Description
B00009xx	CryptoServer module SMOS memory section
B0000901	CryptoServer module SMOS memory section illegal memory type
B0000902	CryptoServer module SMOS memory section corrupted memory structure
B0000903	CryptoServer module SMOS memory section buffer size too small
B0000904	CryptoServer module SMOS memory section bad memory address
B0000Axx	CryptoServer module SMOS string section
B0000A01	CryptoServer module SMOS string section memory allocation failed
B0000Bxx	CryptoServer module SMOS Config section
B0000B01	CryptoServer module SMOS Config section memory allocation failed
B0000B02	CryptoServer module SMOS Config section invalid parameter
B0000B03	CryptoServer module SMOS Config section invalid handle

Code	Description
B0000B04	CryptoServer module SMOS Config section bad config file
B0000B05	CryptoServer module SMOS Config section section not found
B0000B06	CryptoServer module SMOS Config section item not found
B00010xx	CryptoServer module SMOS PCI section
B0001000	CryptoServer module SMOS PCI section DMA timeout
B0001001	CryptoServer module SMOS PCI section request canceled
B0001002	CryptoServer module SMOS PCI section MBR read timeout
B0001003	CryptoServer module SMOS PCI section MBR write timeout
B0001004	CryptoServer module SMOS PCI section bad MBR command
B0001005	CryptoServer module SMOS PCI section rx crc error

Code	Description
B0001006	CryptoServer module SMOS PCI section function not implemented
B0001007	CryptoServer module SMOS PCI section shutdown request received
B0001008	CryptoServer module SMOS PCI section memory allocation failed
B0001009	CryptoServer module SMOS PCI section bad sequence counter
B000100A	CryptoServer module SMOS PCI section read timeout
B000100B	CryptoServer module SMOS PCI section write timeout
B000100C	CryptoServer module SMOS PCI section block length error
B000100D	CryptoServer module SMOS PCI section socket error
B000100E	CryptoServer module SMOS PCI section bad state for receive
B00011xx	CryptoServer module SMOS RTC section

Code	Description
B0001100	CryptoServer module SMOS RTC section RTC failed
B0001101	CryptoServer module SMOS RTC section RTC not initialized
B0001102	CryptoServer module SMOS RTC section Bad parameter
B00013xx	CryptoServer module SMOS CRYPT section
B0001301	CryptoServer module SMOS CRYPT section Error during memory allocation
B0001302	CryptoServer module SMOS CRYPT section Invalid input parameter
B0001303	CryptoServer module SMOS CRYPT section Error reading master key
B0001304	CryptoServer module SMOS CRYPT section no internal access to CS2 master key
B0001305	CryptoServer module SMOS CRYPT section CS2 master key corrupted
B0001306	CryptoServer module SMOS CRYPT section Error updating master key

Code	Description
B0001307	CryptoServer module SMOS CRYPT section Function not supported
B0001308	CryptoServer module SMOS CRYPT section Random number generator failed
B0001309	CryptoServer module SMOS CRYPT section SHA-512 Known Answer Test failed
B0001310	CryptoServer module SMOS CRYPT section Random number generator timeout
B0001311	CryptoServer module SMOS CRYPT section Known answer test failed
B0001312	CryptoServer module SMOS CRYPT section Random Number Generator is not initialized
B0001313	CryptoServer module SMOS CRYPT section Given security strength not supported
B0001314	CryptoServer module SMOS CRYPT section Max number of requested randombits per call exceeded
B0001315	CryptoServer module SMOS CRYPT section Prediction resistance not supported for current handle
B0001316	CryptoServer module SMOS CRYPT section Random Number Generator needs to be reseeded

Code	Description
B0002xxx	CryptoServer module SMOS COFF section
B0002001	CryptoServer module SMOS COFF section relocation error (low 16 bits)
B0002002	CryptoServer module SMOS COFF section relocation error (high 16 bits)
B0002003	CryptoServer module SMOS COFF section relocation error (PC relative)
B0002004	CryptoServer module SMOS COFF section relocation error (long)
B0002005	CryptoServer module SMOS COFF section can't allocate memory
B0002006	CryptoServer module SMOS COFF section bad number of section headers
B0002007	CryptoServer module SMOS COFF section multiple BSS segments
B0002008	CryptoServer module SMOS COFF section multiple CINIT segments
B0002009	CryptoServer module SMOS COFF section missing data in segment

Code	Description
B000200A	CryptoServer module SMOS COFF section bad entry function
B000200B	CryptoServer module SMOS COFF section missing symbol table
B000200C	CryptoServer module SMOS COFF section bad relocation data
B000200D	CryptoServer module SMOS COFF section bad section number in relocation data
B000200E	CryptoServer module SMOS COFF section bad displacement in relocation data
B000200F	CryptoServer module SMOS COFF section bad symbol index in relocation data
B0002010	CryptoServer module SMOS COFF section bad relocation type
B0002011	CryptoServer module SMOS COFF section bad coff file header
B0002012	CryptoServer module SMOS COFF section missing information in coff file
B0002013	CryptoServer module SMOS COFF section BSS segment is not empty

Code	Description
B0002014	CryptoServer module SMOS COFF section CINIT segment is not empty
B0002015	CryptoServer module SMOS COFF section module does not match CPU type
B0002016	CryptoServer module SMOS COFF section bad relocation target address
B0002017	CryptoServer module SMOS COFF section symbol stack overflow
B0002018	CryptoServer module SMOS COFF section relocation error (USTFLD)
B0002019	CryptoServer module SMOS COFF section relocation error (XSTFLD)
B0003xxx	CryptoServer module SMOS USB section
B0003001	CryptoServer module SMOS USB section memory allocation failed
B0003002	CryptoServer module SMOS USB section invalid parameter
B0003003	CryptoServer module SMOS USB section USB not supported

Code	Description
B0003004	CryptoServer module SMOS USB section initialization of host controller failed
B0003005	CryptoServer module SMOS USB section device is not connected
B0003006	CryptoServer module SMOS USB section invalid device state
B0003007	CryptoServer module SMOS USB section timeout occurred
B0003008	CryptoServer module SMOS USB section NAK received
B0003009	CryptoServer module SMOS USB section protocol error
B000300A	CryptoServer module SMOS USB section ID table is full
B000300B	CryptoServer module SMOS USB section item not found
B000300C	CryptoServer module SMOS USB section invalid data length
B00031xx	CryptoServer module SMOS transaction error
B00032xx	CryptoServer module SMOS libusb

Code	Description
B00050xx	CryptoServer module SMOS panic message
B0005001	CryptoServer module SMOS panic message Can't start bootloader (CRC)
B0005002	CryptoServer module SMOS panic message Can't start bootloader (SDRAM error)
B000500B	CryptoServer module SMOS panic message PCI interface closed
B000500C	CryptoServer module SMOS panic message memory corruption detected
B00053xx	CryptoServer module SMOS shutdown message
B0005306	CryptoServer module SMOS shutdown message High temperature
B000530A	CryptoServer module SMOS shutdown message Alarm reseted
B000530E	CryptoServer module SMOS shutdown message CryptoServer cleared
B0005344	CryptoServer module SMOS shutdown message CryptoServer halted

B001xxxx – CryptoServer module FIPS140

Code	Description
B0010001	CryptoServer module FIPS140 invalid module version
B0010002	CryptoServer module FIPS140 illegal firmware module in FIPS mode
B0010003	CryptoServer module FIPS140 missing approved module
B0010004	CryptoServer module FIPS140 approved module initialization failed
B0010010	CryptoServer module FIPS140 known answer test of DES failed
B0010011	CryptoServer module FIPS140 known answer test of RSA failed
B0010012	CryptoServer module FIPS140 known answer test of AES failed
B0010013	CryptoServer module FIPS140 pair-wise consistency test of ECDSA failed
B0010014	CryptoServer module FIPS140 known answer test of HASH failed
B0010020	CryptoServer module FIPS140 known answer test for AES encrypt/decrypt failed
B0010021	CryptoServer module FIPS140 known answer test for AES CBC-MAC failed
B0010022	CryptoServer module FIPS140 known answer test for AES CMAC failed
B0010023	CryptoServer module FIPS140 known answer test for AES GCM failed
B0010024	CryptoServer module FIPS140 known answer test for AES OFB failed

Code	Description
B0010025	CryptoServer module FIPS140 known answer test for AES GMAC failed
B0010030	CryptoServer module FIPS140 known answer test for RSA sign/verify failed
B0010031	CryptoServer module FIPS140 pair-wise consistency test for RSA encrypt/decrypt failed
B0010040	CryptoServer module FIPS140 known answer test for HMAC failed
B0010050	CryptoServer module FIPS140 pair-wise consistency test for DSA sign/verify failed
B0010060	CryptoServer module FIPS140 known answer test for ECC CDH failed
B0010070	CryptoServer module FIPS140 known answer test for KDF_800108 failed
B0010080	CryptoServer module FIPS140 known answer tests for (internally used only) utility functions failed
B0010100	CryptoServer module FIPS140 bad command length
B0010200	CryptoServer module FIPS140 function called with invalid parameter

B006xxxx – Bootloader

Code	Description
B0060000	Bootloader invalid parameter
B0060001	Bootloader item not found
B0060002	Bootloader invalid item length
B0060003	Bootloader buffer size too small
B006001x	Bootloader command section
B0060010	Bootloader command section bad length within format string
B0060011	Bootloader command section bad parameter structure
B0060012	Bootloader command section bad format string
B0060013	Bootloader command section bad format
B0060014	Bootloader command section timeout occurred
B0060015	Bootloader command section command is not allowed

Code	Description
B0060016	Bootloader command section invalid command header
B0060017	Bootloader command section invalid command length
B0060018	Bootloader command section invalid function code
B0060019	Bootloader command section invalid sub-function code
B006001A	Bootloader command section invalid challenge
B006001B	Bootloader command section command is not allowed in FIPS mode
B006001C	Bootloader command section command not available in current configuration
B006003x	Bootloader module section
B0060031	Bootloader module section invalid MTC Header
B0060032	Bootloader module section no MTC signature present

Code	Description
B0060033	Bootloader module section invalid MMC Header
B0060034	Bootloader module section no MMC signature present
B0060035	Bootloader module section MMC hash compare failed
B0060036	Bootloader module section invalid MSC Header
B0060037	Bootloader module section MSC hash compare failed
B0060038	Bootloader module section no module info found
B006004x	Bootloader coff section
B0060040	Bootloader coff section invalid coff name
B0060041	Bootloader coff section invalid coff header
B0060042	Bootloader coff section invalid header magic

Code	Description
B0060043	Bootloader coff section invalid header size
B0060044	Bootloader coff section invalid section
B0060045	Bootloader coff section invalid relocation of section
B0060046	Bootloader coff section invalid run address
B0060047	Bootloader coff section invalid load address
B0060048	Bootloader coff section invalid section memory
B0060049	Bootloader coff section invalid opt header
B006004A	Bootloader coff section invalid size
B006004B	Bootloader coff section invalid address
B006004C	Bootloader coff section invalid MTC

Code	Description
B006004D	Bootloader coff section invalid entry point
B006004E	Bootloader coff section invalid CPU type
B006004F	Bootloader coff section invalid coff file
B006005x	Bootloader signature secture
B0060050	Bootloader signature secture invalid pkcs1 padding
B0060051	Bootloader signature secture hash compare failed
B006006x	Bootloader RSA section
B0060060	Bootloader RSA section rsa result overflow
B0060061	Bootloader RSA section modulus is zero
B0060062	Bootloader RSA section modulus is smaller than operand
B006007x	Bootloader file section

Code	Description
B0060071	Bootloader file section error formatting flash file
B0060072	Bootloader file section flash file formatted succesfully, now looping forever
B0060073	Bootloader file section Initialization of file system failed
B0060074	Bootloader file section file already exists
B0060075	Bootloader file section invalid filename
B0060076	Bootloader file section invalid file type
B0060077	Bootloader file section invalid file size
B0060078	Bootloader file section file not found
B006007A	Bootloader file section file open error
B006007B	Bootloader file section file read error

Code	Description
B006007C	Bootloader file section file write error
B006007D	Bootloader file section file close error
B006008x	Bootloader PCI section
B0060080	Bootloader PCI section timeout occurred
B0060081	Bootloader PCI section protocol error
B0060082	Bootloader PCI section length error
B0060083	Bootloader PCI section crc error
B0060084	Bootloader PCI section buffer size too small
B0060085	Bootloader PCI section invalid parameter
B006009x	Bootloader UID section
B0060090	Bootloader UID section bad CRC on UID

Code	Description
B0060091	Bootloader
	UID section
	UID not found
B0060092	Bootloader
	UID section
	Extended UID invalid
B00600Ax	Bootloader
	SL section
B00600A0	Bootloader
	SL section
	invalid device name
B00600A1	Bootloader
	SL section
	invalid handle value
B00600A2	Bootloader
	SL section
	device is not open
B00600A3	Bootloader
	SL section
	device is already in use
B00600A4	Bootloader
	SL section
	invalid parameter
B00600A5	Bootloader
	SL section
	invalid parameter value
B00600A6	Bootloader
	SL section
	timeout

Code	Description
B00600A7	Bootloader SL section invalid crc
B00600A8	Bootloader SL section overrun error
B00600A9	Bootloader SL section parity error
B00600AA	Bootloader SL section framing error
B00600AB	Bootloader SL section data compare failed
B00600Bx	Bootloader MSP BSL section
B00600B1	Bootloader MSP BSL section get version failed
B00600B2	Bootloader MSP BSL section sync failed
B00600B3	Bootloader MSP BSL section erase failed
B00600B4	Bootloader MSP BSL section login failed

Code	Description
B00600B5	Bootloader MSP BSL section write failed
B00600Cx	Bootloader JTAG section
B00600C0	Bootloader JTAG section invalid state
B00600C1	Bootloader JTAG section unexpected IDCODE
B00600Dx	Bootloader Flash section
B00600D0	Bootloader Flash section timeout during flash operation
B00600D1	Bootloader Flash section error reading flash id
B00600D2	Bootloader Flash section erase failed
B00600D3	Bootloader Flash section error reading flash page
B00600D4	Bootloader Flash section error writing flash page
B00600D5	Bootloader Flash section bad page data

Code	Description
B00600D6	Bootloader Flash section invalid CRC
B00600Ex	Bootloader log section
B00600E0	Bootloader log section log file does not exist
B00600Fx	Bootloader SDRAM section
B00600F1	Bootloader SDRAM section data bus test failed
B00600F2	Bootloader SDRAM section address bus test failed
B00600F3	Bootloader SDRAM section device test failed
B006010x	Bootloader USB section
B0060100	Bootloader USB section NACK received
B0060101	Bootloader USB section timeout occurred
B0060102	Bootloader USB section protocol error

Code	Description
B0060103	Bootloader USB section device error
B0060104	Bootloader USB section invalid parameter
B0060105	Bootloader USB section function not supported
B0060106	Bootloader USB section initialisation failed
B0060107	Bootloader USB section error connecting device
B0060108	Bootloader USB section error determining device state
B0060109	Bootloader USB section usb protocol error
B006011x	Bootloader flash file section
B0060111	Bootloader flash file section no config page
B0060112	Bootloader flash file section invalid flash size

Code	Description
B0060113	Bootloader flash file section no bad block table
B0060114	Bootloader flash file section invalid bad block table
B0060115	Bootloader flash file section unable to store bad block
B0060116	Bootloader flash file section page is not blank
B006012x	Bootloader i2c device section
B0060120	Bootloader i2c device section one parameter is wrong
B0060121	Bootloader i2c device section got no acknowledge after sending a byte
B0060122	Bootloader i2c device section device does not exist
B006013x	Bootloader XSVF section
B0060131	Bootloader XSVF section unknown error
B0060132	Bootloader XSVF section TDO mismatch

Code	Description
B0060133	Bootloader XSVF section TDO mismatch after max retries
B0060134	Bootloader XSVF section illegal command
B0060135	Bootloader XSVF section illegal state
B0060136	Bootloader XSVF section buffer overflow
B006014x	Bootloader SHA512 section
B0060140	Bootloader SHA512 section SHA512 known answer test failed
B006015x	Bootloader NVRAM section
B0060150	Bootloader NVRAM section timeout during nvram operation
B0060151	Bootloader NVRAM section error reading nvram page
B0060152	Bootloader NVRAM section error writing nvram page
B0060153	Bootloader NVRAM section bad page data

Code	Description
B0060154	Bootloader NVRAM section error reading flash id
B0060155	Bootloader NVRAM section NVRAM not available in Bootloader mode
B00602xx	Bootloader MSP section
B0060201	Bootloader MSP section data len for communication with msp too large
B0060299	Bootloader MSP section timeout occurred
B00602A5	Bootloader MSP section invalid command
B00602BD	Bootloader MSP section invalid address
B00602C3	Bootloader MSP section invalid data
B00602DB	Bootloader MSP section invalid crc
B00604xx	Bootloader SPI section
B0060401	Bootloader SPI section read timeout

Code	Description
B0060402	Bootloader SPI section timeout waiting for receiver ready
B0060403	Bootloader SPI section timeout waiting for MSP ready
B0060404	Bootloader SPI section timeout waiting for MSP ready low
B0060405	Bootloader SPI section timeout waiting for RRDY
B0060500	Bootloader SPI section EXAR section
B0060501	Bootloader SPI section timeout during pci cfg operation
B0060502	Bootloader SPI section wrong data read
B0060503	Bootloader SPI section pci interface for accelerator busy
B0060504	Bootloader SPI section no exar accelerator found
B0060511	Bootloader SPI section memory allocation failed

Code	Description
B0060512	Bootloader SPI section invalid parameter
B0060513	Bootloader SPI section invalid handle
B0060514	Bootloader SPI section bad config file
B0060515	Bootloader SPI section section not found
B0060516	Bootloader SPI section item not found
B007001F	Bootloader SPI section Wrong Function Code (included for backward compatibility)
B007001F	Bootloader SPI section Wrong Function Code (included for backward compatibility)

B00Axxxx – CryptoServer module HCE

Code	Description
B00A0001	CryptoServer module HCE memory allocation failed
B00A0002	CryptoServer module HCE PCI master access error (DSP)
B00A0003	CryptoServer module HCE key size not supported
B00A0004	CryptoServer module HCE exponent greater modulus
B00A0005	CryptoServer module HCE hardware engine timeout
B00A0006	CryptoServer module HCE result too big for buffer
B00A0007	CryptoServer module HCE illegal sizes of prime
B00A0008	CryptoServer module HCE data size too big (greater than modulus)
B00A0009	CryptoServer module HCE Self-test failed
B00A000A	CryptoServer module HCE Module LNA not found
B00A000B	CryptoServer module HCE PCI DMA master access error
B00A000C	CryptoServer module HCE No driver module found
B00A000D	CryptoServer module HCE Driver does not allow routing from HCE to driver.
B00A000E	CryptoServer module HCE invalid parameter

Code	Description
B00A000F	CryptoServer module HCE function is not supported
B00A0010	CryptoServer module HCE Signature verification failed
B00A80xx	CryptoServer module HCE hardware engine error

B00Dxxxx – CryptoServer module EXAR

Code	Description
B00D0001	CryptoServer module EXAR no Marvell bridge detected
B00D0002	CryptoServer module EXAR no Exar chip detected
B00D0003	CryptoServer module EXAR invalid parameter
B00D0004	CryptoServer module EXAR timeout
B00D0005	CryptoServer module EXAR memory allocation failed
B00D0006	CryptoServer module EXAR selftest failed
B00D0007	CryptoServer module EXAR insufficient buffer size
B00D0008	CryptoServer module EXAR invalid command state
B00D0009	CryptoServer module EXAR invalid parameter length
B00D000A	CryptoServer module EXAR sign failed
B00D000B	CryptoServer module EXAR signature verification failed
B00D000C	CryptoServer module EXAR key size not supported
B00D000D	CryptoServer module EXAR data size too big
B00D0010	CryptoServer module EXAR address error

Code	Description
B00D0011	CryptoServer module EXAR ECC error
B00D0012	CryptoServer module EXAR all engines are busy
B00D0020	CryptoServer module EXAR PCI is busy
B00D0021	CryptoServer module EXAR PCI timeout
B00D0022	CryptoServer module EXAR PCI access error

B00Exxxx – CryptoServer module HCE

Code	Description
B00E0001	CryptoServer module HCE memory allocation failed
B00E0002	CryptoServer module HCE PCI master access error (DSP)
B00E0003	CryptoServer module HCE key size not supported
B00E0004	CryptoServer module HCE exponent greater modulus
B00E0005	CryptoServer module HCE hardware engine timeout
B00E0006	CryptoServer module HCE result too big for buffer
B00E0007	CryptoServer module HCE illegal sizes of prime
B00E0008	CryptoServer module HCE data size too big (greater than modulus)
B00E0009	CryptoServer module HCE Self-test failed
B00E000A	CryptoServer module HCE Module LNA not found
B00E000B	CryptoServer module HCE PCI DMA master access error
B00E80xx	CryptoServer module HCE hardware engine error

B050xxxx – CryptoServer module PK

Code	Description
B0500001	CryptoServer module PK invalid parameter
B0500002	CryptoServer module PK memory allocation failed
B0500003	CryptoServer module PK unknown distinguished name type
B0500004	CryptoServer module PK invalid distinguished name (value or length)
B0500005	CryptoServer module PK invalid time format
B0500006	CryptoServer module PK unknown / unsupported key type
B0500007	CryptoServer module PK unknown / unsupported signature algorithm
B0500008	CryptoServer module PK unknown / unsupported hash algorithm
B0500009	CryptoServer module PK invalid / unsupported version
B050000A	CryptoServer module PK unknown / unsupported PKCS7 content type
B050000B	CryptoServer module PK no PKCS7 version found
B050000C	CryptoServer module PK unknown PKCS7 element type
B050000D	CryptoServer module PK element type SIGNATURE not found
B050000E	CryptoServer module PK element type ENVELOPED not found

Code	Description
B050000F	CryptoServer module PK element type CERT not found
B0500010	CryptoServer module PK element type AUTH_ATT not found
B0500011	CryptoServer module PK element type UNAUTH_ATT not found
B0500012	CryptoServer module PK element type SIG_TIME not found
B0500013	CryptoServer module PK element type DATA not found
B0500014	CryptoServer module PK no signer certificate given
B0500015	CryptoServer module PK no data or hash given to perform sign / verify operation
B0500016	CryptoServer module PK invalid PKCS7 content type
B0500017	CryptoServer module PK no digest algorithm in PKCS7 data found
B0500018	CryptoServer module PK no signer infos found
B0500019	CryptoServer module PK no issuer / serial number found
B050001A	CryptoServer module PK number of PK_P7_ELEM too small
B050001B	CryptoServer module PK invalid signer reference
B050001C	CryptoServer module PK content type is not SignedData
B050001D	CryptoServer module PK content type is not Enveloped

Code	Description
B050001E	CryptoServer module PK digestEncryptionAlgorithm doesn't match signer certificate key type
B050001F	CryptoServer module PK signature verification failed
B0500020	CryptoServer module PK no recipient certificate given
B0500021	CryptoServer module PK unknown / unsupported encryption key type
B0500022	CryptoServer module PK multiple recipients not supported
B0500023	CryptoServer module PK given certificate doesn't match certificate in PKCS7 structure
B0500024	CryptoServer module PK given key doesn't match key encryption algorithm
B0500025	CryptoServer module PK no key encryption algorithm identifier found
B0500026	CryptoServer module PK no content type found
B0500027	CryptoServer module PK no content encryption algorithm identifier found
B0500028	CryptoServer module PK invalid attribute structure
B0500029	CryptoServer module PK given buffer / struct doesn't contain enough space for this operation
B0500030	CryptoServer module PK Firmware module AES not loaded
B0500031	CryptoServer module PK unknown attribute type
B0500032	CryptoServer module PK CRL issuer doesn't match certificate's subject / issuer

Code	Description
B0500033	CryptoServer module PK requested attribute not available (optional)
B0500034	CryptoServer module PK bad CRL format
B0500035	CryptoServer module PK CRL is not yet valid
B0500036	CryptoServer module PK partial CRL verification not initialized
B0500037	CryptoServer module PK algorithm oid of crl header and trailer differ
B0500040	CryptoServer module PK unsupported time format
B0500041	CryptoServer module PK given time format contains century < 2000
B0500042	CryptoServer module PK indefinite length not supportet
B0500043	CryptoServer module PK Firmware module ECDSA not loaded
B0500050	CryptoServer module PK invalid signer / invalid signer information
B0500051	CryptoServer module PK invalid signer structure (ASN.1 error)

B061xxxx – CryptoServer module CTS

Code	Description
B0610001	CryptoServer module CTS Wrong command length
B0610002	CryptoServer module CTS memory allocation error
B0610003	CryptoServer module CTS Invalid key index
B0610004	CryptoServer module CTS Signature Algorithm unsupported (hash or signing)
B0610005	CryptoServer module CTS key index already exists in database
B0610006	CryptoServer module CTS selected key is not enabled for signing
B0610007	CryptoServer module CTS No key for the imported certificate available
B0610008	CryptoServer module CTS certification validity expired
B0610009	CryptoServer module CTS certificate is not yet valid
B061000A	CryptoServer module CTS permission denied
B061000B	CryptoServer module CTS No certificate to the according key imported
B061000C	CryptoServer module CTS mbk from MBK module not found
B061000D	CryptoServer module CTS MBK module not loaded
B061000E	CryptoServer module CTS RSA key token length invalid

Code	Description
B061000F	CryptoServer module CTS Calculated hash doesn't match given one
B0610010	CryptoServer module CTS Unknown DN component
B0610011	CryptoServer module CTS Given ASN1_ITEM of a DN is no struct
B0610012	CryptoServer module CTS Issuer and Subject not the same
B0610013	CryptoServer module CTS (ASN1) Tag unknown
B0610014	CryptoServer module CTS Given issuer / subject not found
B0610015	CryptoServer module CTS Certificate already exist
B0610016	CryptoServer module CTS TimeStamp ASN.1 structure not correct
B0610017	CryptoServer module CTS Given certificate not equal to the one in the database
B0610018	CryptoServer module CTS Given delay to set the new time is too big
B0610019	CryptoServer module CTS Too many time adjustments on this day
B061001A	CryptoServer module CTS TSA name contained in timestamp doesn't match signer name

B064xxxx – CryptoServer module PKCS11

Code	Description
B0640001	CryptoServer module PKCS11 corrupted object data structure
B0640002	CryptoServer module PKCS11 bad arguments
B0640003	CryptoServer module PKCS11 object has too many attributes
B0640004	CryptoServer module PKCS11 too many concurrent applications
B0640005	CryptoServer module PKCS11 bad application reference
B0640006	CryptoServer module PKCS11 object handle overflow
B0640007	CryptoServer module PKCS11 bad public exponent
B0640008	CryptoServer module PKCS11 bad modulus
B0640009	CryptoServer module PKCS11 AES module not found
B064000A	CryptoServer module PKCS11 ECA/ECDSA modules not found
B064000B	CryptoServer module PKCS11 access denied
B064000C	CryptoServer module PKCS11 corrupted slot data structure
B064000D	CryptoServer module PKCS11 MBK module not found
B064000E	CryptoServer module PKCS11 no MBK key loaded

Code	Description
B064000F	CryptoServer module PKCS11 invalid backup
B0640010	CryptoServer module PKCS11 PKCS#11 service terminated
B0640011	CryptoServer module PKCS11 slot not empty
B0640012	CryptoServer module PKCS11 DSA module not found
B0640013	CryptoServer module PKCS11 application timeout
B0640014	CryptoServer module PKCS11 validity period has expired
B0648xxx	CryptoServer module PKCS11 PKCS#11 standard error

B068xxxx – CryptoServer module CXI

Code	Description
B0680000	CryptoServer module CXI memory allocation error
B0680001	CryptoServer module CXI permission denied
B0680002	CryptoServer module CXI buffer size too small
B0680003	CryptoServer module CXI function not supported
B0680004	CryptoServer module CXI MBK firmware module not loaded
B0680005	CryptoServer module CXI invalid parameter tag
B0680006	CryptoServer module CXI invalid parameter length
B0680007	CryptoServer module CXI invalid parameter value
B0680008	CryptoServer module CXI invalid flags
B0680009	CryptoServer module CXI SFC is reserved for further use
B068000A	CryptoServer module CXI an internal error occurred
B068000B	CryptoServer module CXI invalid MBK key type
B068000C	CryptoServer module CXI validity period has expired
B0680010	CryptoServer module CXI property has to be absent

Code	Description
B0680011	CryptoServer module CXI unknown property
B0680012	CryptoServer module CXI property not found
B0680013	CryptoServer module CXI property already exists
B0680014	CryptoServer module CXI property is read-only
B0680015	CryptoServer module CXI property is protected
B0680016	CryptoServer module CXI invalid property tag
B0680017	CryptoServer module CXI invalid property value
B0680018	CryptoServer module CXI invalid property length
B0680019	CryptoServer module CXI property is sensitive
B068001A	CryptoServer module CXI property doesn't match given template
B068001B	CryptoServer module CXI property only valid for objects in a group
B0680020	CryptoServer module CXI invalid key algo
B0680021	CryptoServer module CXI invalid key size
B0680022	CryptoServer module CXI invalid key tag
B0680023	CryptoServer module CXI invalid key component

Code	Description
B0680024	CryptoServer module CXI invalid format of key blob
B0680025	CryptoServer module CXI invalid key type
B0680026	CryptoServer module CXI invalid mac of key blob
B0680027	CryptoServer module CXI invalid key name
B0680028	CryptoServer module CXI invalid key token
B0680029	CryptoServer module CXI missing key component
B068002B	CryptoServer module CXI key export is denied
B068002C	CryptoServer module CXI key import is denied
B068002D	CryptoServer module CXI mechanism not allowed
B068002E	CryptoServer module CXI invalid block length
B068002F	CryptoServer module CXI illegal key usage
B0680030	CryptoServer module CXI invalid padding
B0680031	CryptoServer module CXI invalid mechanism
B0680032	CryptoServer module CXI invalid IV length
B0680033	CryptoServer module CXI signature verification failed

Code	Description
B0680034	CryptoServer module CXI invalid data length
B0680035	CryptoServer module CXI invalid mechanism parameter
B0680040	CryptoServer module CXI item not found
B0680041	CryptoServer module CXI invalid item tag
B0680042	CryptoServer module CXI invalid item length
B0680043	CryptoServer module CXI invalid item value
B0680044	CryptoServer module CXI invalid number of items
B0680050	CryptoServer module CXI invalid file size
B0680060	CryptoServer module CXI enumeration was aborted
B0680061	CryptoServer module CXI invalid input parameter
B06801xx	CryptoServer module CXI FIPS mode
B0680100	CryptoServer module CXI FIPS mode function not available in FIPS mode
B0680101	CryptoServer module CXI FIPS mode mechanism not supported in FIPS mode
B0680102	CryptoServer module CXI FIPS mode object type not available in FIPS mode

Code	Description
B0680103	CryptoServer module CXI FIPS mode algorithm not available in FIPS mode
B0680104	CryptoServer module CXI FIPS mode key size not allowed in FIPS mode
B0680105	CryptoServer module CXI FIPS mode clear text key import not allowed in FIPS mode
B0680106	CryptoServer module CXI FIPS mode clear text key export not allowed in FIPS mode
B0680107	CryptoServer module CXI FIPS mode property not available in FIPS mode
B0680108	CryptoServer module CXI FIPS mode Curve not available in FIPS mode
B0680109	CryptoServer module CXI FIPS mode Key usage is restricted in FIPS mode
B06802xx	CryptoServer module CXI SECURE
B0680200	CryptoServer module CXI SECURE decrypt property true not allowed
B0680201	CryptoServer module CXI SECURE encrypt property true not allowed

Code	Description
B0680202	CryptoServer module CXI SECURE always sensitive property false not allowed
B0680203	CryptoServer module CXI SECURE sensitive property false not allowed
B0680204	CryptoServer module CXI SECURE wrap property true not allowed
B0680205	CryptoServer module CXI SECURE cannot use public keys for wrapping
B0680206	CryptoServer module CXI SECURE check value missing or invalid

B081xxxx – CryptoServer module VDES

Code	Description
B0810001	CryptoServer module VDES length of data is not a multiple of 8 bytes
B0810002	CryptoServer module VDES length of key is not 8, 16, or 24
B0810003	CryptoServer module VDES cannot allocate memory
B0810004	CryptoServer module VDES key is weak
B0810005	CryptoServer module VDES key is semi-weak
B0810006	CryptoServer module VDES two of the 8byte key parts are identical
B0810007	CryptoServer module VDES mode is unknown
B0810008	CryptoServer module VDES could not get local Master Key
B0810009	CryptoServer module VDES unknown padding mechanism
B081000A	CryptoServer module VDES invalid padding
B081000B	CryptoServer module VDES invalid parameter
B081000C	CryptoServer module VDES key is possibly weak
B081000E	CryptoServer module VDES Zero length not allowed

B082xxxx – CryptoServer module PP, PIN pad driver

Code	Description
B0820001	CryptoServer module PP, PIN pad driver operation aborted by user
B0820002	CryptoServer module PP, PIN pad driver command block too long
B0820003	CryptoServer module PP, PIN pad driver timeout while writing to PIN pad
B0820004	CryptoServer module PP, PIN pad driver answer buffer too small
B0820005	CryptoServer module PP, PIN pad driver timeout while reading from PIN pad
B0820006	CryptoServer module PP, PIN pad driver IO error
B0820007	CryptoServer module PP, PIN pad driver connection not open
B0820008	CryptoServer module PP, PIN pad driver invalid parameter
B0820009	CryptoServer module PP, PIN pad driver bad RAPDU from smartcard
B082000A	CryptoServer module PP, PIN pad driver no smartcard in reader
B082000B	CryptoServer module PP, PIN pad driver bad PIN pad type specified
B082000C	CryptoServer module PP, PIN pad driver bad length of command block
B082000D	CryptoServer module PP, PIN pad driver protocol error
B082000E	CryptoServer module PP, PIN pad driver timeout while waiting for key input

Code	Description
B082000F	CryptoServer module PP, PIN pad driver timeout while waiting for card insertion
B0820010	CryptoServer module PP, PIN pad driver bad repetition of PIN entry
B0820011	CryptoServer module PP, PIN pad driver function is not supported
B0820012	CryptoServer module PP, PIN pad driver invalid parameter
B0820013	CryptoServer module PP, PIN pad driver access denied
B0820014	CryptoServer module PP, PIN pad driver bad input
B0820015	CryptoServer module PP, PIN pad driver no response from smartcard
B0820016	CryptoServer module PP, PIN pad driver no supported smartcard reader connected
B0820017	CryptoServer module PP, PIN pad driver not allowed in CC Endorsed Mode
B08201xx	CryptoServer module PP, PIN pad driver PIN pad error
B08202xx	CryptoServer module PP, PIN pad driver CCID Error

B083xxxx – CryptoServer module CMDS, Command scheduler

Code	Description
B0830001	CryptoServer module CMDS, Command scheduler permission denied
B0830002	CryptoServer module CMDS, Command scheduler can't alloc memory
B0830003	CryptoServer module CMDS, Command scheduler invalid parameter
B0830004	CryptoServer module CMDS, Command scheduler module id already in use
B0830005	CryptoServer module CMDS, Command scheduler bad function code (module ID)
B0830006	CryptoServer module CMDS, Command scheduler function doesn't exist
B0830007	CryptoServer module CMDS, Command scheduler invalid user name
B0830008	CryptoServer module CMDS, Command scheduler illegal length of command block
B0830009	CryptoServer module CMDS, Command scheduler can't create task
B083000A	CryptoServer module CMDS, Command scheduler bad tag of command block
B083000B	CryptoServer module CMDS, Command scheduler bad length within format string (scanf)
B083000C	CryptoServer module CMDS, Command scheduler bad format of command block
B083000D	CryptoServer module CMDS, Command scheduler bad parameter structure (scanf)

Code	Description
B083000E	CryptoServer module CMDS, Command scheduler bad format string (scanf)
B083000F	CryptoServer module CMDS, Command scheduler user already exists
B0830010	CryptoServer module CMDS, Command scheduler invalid mechanism
B0830011	CryptoServer module CMDS, Command scheduler no DB module present
B0830012	CryptoServer module CMDS, Command scheduler invalid AUTH layer command
B0830013	CryptoServer module CMDS, Command scheduler authentication failed
B0830014	CryptoServer module CMDS, Command scheduler no VRSA module present
B0830015	CryptoServer module CMDS, Command scheduler bad permission mask
B0830016	CryptoServer module CMDS, Command scheduler unknown user
B0830017	CryptoServer module CMDS, Command scheduler bad user attributes
B083001B	CryptoServer module CMDS, Command scheduler logoff failed
B083001C	CryptoServer module CMDS, Command scheduler logged in user can't be deleted
B083001D	CryptoServer module CMDS, Command scheduler bad user token (key or password)
B083001E	CryptoServer module CMDS, Command scheduler no VDES module present
B083001F	CryptoServer module CMDS, Command scheduler no UTIL module present

Code	Description
B0830020	CryptoServer module CMDS, Command scheduler no HASH module present
B0830021	CryptoServer module CMDS, Command scheduler secure messaging failed
B0830022	CryptoServer module CMDS, Command scheduler secure messaging session expired
B0830023	CryptoServer module CMDS, Command scheduler invalid secure messaging ID
B0830024	CryptoServer module CMDS, Command scheduler internal buffer overflow
B0830025	CryptoServer module CMDS, Command scheduler FIPS140 initialization failed
B0830026	CryptoServer module CMDS, Command scheduler mode does not match user
B0830027	CryptoServer module CMDS, Command scheduler invalid mode
B0830028	CryptoServer module CMDS, Command scheduler illegal answer buffer size
B0830029	CryptoServer module CMDS, Command scheduler no MBK module present
B083002A	CryptoServer module CMDS, Command scheduler invalid backup data
B083002B	CryptoServer module CMDS, Command scheduler bad entry in user DB (internal error)
B083002C	CryptoServer module CMDS, Command scheduler buffer size too small
B083002D	CryptoServer module CMDS, Command scheduler no MBK key found
B083002E	CryptoServer module CMDS, Command scheduler MBK type does not match

Code	Description
B083002F	CryptoServer module CMDS, Command scheduler no AES module present
B0830030	CryptoServer module CMDS, Command scheduler no HMAC algorithm available
B0830031	CryptoServer module CMDS, Command scheduler no ECC algorithm available
B0830032	CryptoServer module CMDS, Command scheduler ALARM state
B0830033	CryptoServer module CMDS, Command scheduler bad file 'init.key'
B0830034	CryptoServer module CMDS, Command scheduler Administrator must remain
B0830035	CryptoServer module CMDS, Command scheduler user flag not allowed
B0830036	CryptoServer module CMDS, Command scheduler permissions of users of same session must not differ
B0830037	CryptoServer module CMDS, Command scheduler error accessing NVRAM
B0830038	CryptoServer module CMDS, Command scheduler too many unsuccessful authentication tries
B0830039	CryptoServer module CMDS, Command scheduler parameter not valid in FIPS mode
B083003A	CryptoServer module CMDS, Command scheduler authentication mandatory in FIPS mode
B083003B	CryptoServer module CMDS, Command scheduler mechanism not allowed in FIPS mode
B083003C	CryptoServer module CMDS, Command scheduler user attributes not allowed in FIPS mode
B083003D	CryptoServer module CMDS, Command scheduler user flag not allowed in FIPS mode

Code	Description
B083003E	CryptoServer module CMDS, Command scheduler maximum of logged in/authenticated users reached
B083003F	CryptoServer module CMDS, Command scheduler authentication without secure messaging not allowed in FIPS mode
B0830040	CryptoServer module CMDS, Command scheduler static login not allowed in FIPS mode
B0830041	CryptoServer module CMDS, Command scheduler authentication not available in FIPS error state
B0830042	CryptoServer module CMDS, Command scheduler function not available in FIPS mode
B0830043	CryptoServer module CMDS, Command scheduler function not available in FIPS error state
B0830044	CryptoServer module CMDS, Command scheduler function is blocked in Administration Mode
B0830046	CryptoServer module CMDS, Command scheduler file for MaxAuthFailures corrupted
B0830050	CryptoServer module CMDS, Command scheduler static login not allowed in CC mode
B0830051	CryptoServer module CMDS, Command scheduler authentication not available in CC error state
B0830052	CryptoServer module CMDS, Command scheduler function not available in CC mode
B0830053	CryptoServer module CMDS, Command scheduler function not available in CC error state
B0830054	CryptoServer module CMDS, Command scheduler CC-CMS initialization failed
B0830055	CryptoServer module CMDS, Command scheduler permissions must not overlap in CC mode
B0830056	CryptoServer module CMDS, Command scheduler cc-cms.msc module missing in flash

Code	Description
B0830057	CryptoServer module CMDS, Command scheduler RSA token < 1024 bit not allowed in CC mode
B0830059	CryptoServer module CMDS, Command scheduler parameter not valid in CC mode
B083005A	CryptoServer module CMDS, Command scheduler authentication mandatory in CC mode
B083005B	CryptoServer module CMDS, Command scheduler mechanism not allowed in CC mode
B083005C	CryptoServer module CMDS, Command scheduler user attributes not allowed in CC mode
B083005D	CryptoServer module CMDS, Command scheduler user flag not allowed in CC mode
B083005F	CryptoServer module CMDS, Command scheduler authentication without secure messaging not allowed in CC mode
B0830060	CryptoServer module CMDS, Command scheduler DH parameter from host for sessionkey is weak
B0830061	CryptoServer module CMDS, Command scheduler This function is not available in this HSM configuration
B0830062	CryptoServer module CMDS, Command scheduler wrong version of HASH module
B0830063	CryptoServer module CMDS, Command scheduler illegal challenge length requested
B0830064	CryptoServer module CMDS, Command scheduler Mutual Authentication not available in alarm state

B084xxxx – CryptoServer module VRSA

Code	Description
B0840001	CryptoServer module VRSA cannot allocate memory
B0840002	CryptoServer module VRSA buffer for result is too small
B0840003	CryptoServer module VRSA bad raw data value
B0840004	CryptoServer module VRSA modulus is not $p * q$
B0840006	CryptoServer module VRSA p is greater or equal than q
B0840009	CryptoServer module VRSA u is not $(1/q) \bmod p$
B084000A	CryptoServer module VRSA dp is not $d \bmod (p-1)$
B084000B	CryptoServer module VRSA dq is not $d \bmod (q-1)$
B084000C	CryptoServer module VRSA byte string is not a keytoken
B084000D	CryptoServer module VRSA component is not a member of this key token
B084000E	CryptoServer module VRSA component is already a member of this key token
B084000F	CryptoServer module VRSA value for flags is invalid
B0840010	CryptoServer module VRSA Invalid hash algorithm
B0840011	CryptoServer module VRSA Signature verification failed

Code	Description
B0840012	CryptoServer module VRSA Key length too small
B0840014	CryptoServer module VRSA modulus too small
B0840015	CryptoServer module VRSA bad key components P and Q
B0840016	CryptoServer module VRSA data size too big (greater than modulus)
B0840017	CryptoServer module VRSA missing component in key token
B0840018	CryptoServer module VRSA invalid parameter
B0840019	CryptoServer module VRSA $\gcd(p-1, e) \neq 1$ or $\gcd(q-1, e) \neq 1$
B084001A	CryptoServer module VRSA $d * e \neq 1 \bmod (p-1)(q-1)$
B084001B	CryptoServer module VRSA function obsolete
B084001C	CryptoServer module VRSA key generation failed
B084001D	CryptoServer module VRSA invalid blinding value
B084001E	CryptoServer module VRSA blinding value generation failed
B084001F	CryptoServer module VRSA PKCS#1 decryption failed
B0840020	CryptoServer module VRSA invalid public exponent
B0840021	CryptoServer module VRSA bad length of key token

Code	Description
B0840022	CryptoServer module VRSA PKCS#1 encoding error
B0840023	CryptoServer module VRSA The pairwise consistency test failed !
B0840024	CryptoServer module VRSA Function is not available
B0840025	CryptoServer module VRSA Blinding mechanism unknown
B0840100	CryptoServer module VRSA bad key token in command string
B0840101	CryptoServer module VRSA random number request does not match (FIPS test)
B0840102	CryptoServer module VRSA Key length too small (FIPS140)
B0840103	CryptoServer module VRSA Key length too small (CC)

B085xxxx – CryptoServer Module SC

Code	Description
B0850001	CryptoServer Module SC Bad Length of Application Name
B0850002	CryptoServer Module SC Card Error from "select" Command
B0850003	CryptoServer Module SC Card Error from "internal auth." Command
B0850004	CryptoServer Module SC Wrong SM Key
B0850005	CryptoServer Module SC Card Error from "ver. passw." Command
B0850006	CryptoServer Module SC Card Error from "mse" Command
B0850007	CryptoServer Module SC Card Error from "read record" Command
B0850008	CryptoServer Module SC Bad Record Length
B0850009	CryptoServer Module SC Record not Found
B085000A	CryptoServer Module SC File not Found
B085000B	CryptoServer Module SC Access Denid
B085000C	CryptoServer Module SC Bad Parameter: SFI, REC#
B085000D	CryptoServer Module SC Bad Data Length
B085000E	CryptoServer Module SC Bad Tag for SM

Code	Description
B085000F	CryptoServer Module SC Card Error from "update record" Command
B0850010	CryptoServer Module SC Card Error from "chg. passw." Command
B0850011	CryptoServer Module SC Pasword File not Found
B0850012	CryptoServer Module SC Bad Personalization Data
B0850013	CryptoServer Module SC Card Error while Personalizing
B0850014	CryptoServer Module SC Card Error from "get sessionkey" Command
B0850015	CryptoServer Module SC Application not Found
B0850016	CryptoServer Module SC Card Error from "read binary" Command
B0850017	CryptoServer Module SC Bad PIN Length
B0850018	CryptoServer Module SC Memory Allocation Error
B0850019	CryptoServer Module SC Card Error from "pso" Command
B085001A	CryptoServer Module SC Bad Certificate Format
B085001B	CryptoServer Module SC Card Error from "get data" Command
B085001C	CryptoServer Module SC Unknown Application Type
B085001D	CryptoServer Module SC This Action is not Implmented on the Found Card Type

Code	Description
B085001E	CryptoServer Module SC Invalid Pin
B085001F	CryptoServer Module SC Signing Supported until 48 Byte (Possible Hashes md5, ripemd160, sha1, sha224)
B0850020	CryptoServer Module SC Wrong Command for Card Application
B0850021	CryptoServer Module SC Hash Size Bigger than 40% of the Key Size
B0850022	CryptoServer Module SC Card not Opened Before or Unknown Card

B086xxxx – CryptoServer module UTIL

Code	Description
B0860001	CryptoServer module UTIL Error opening RTC Device
B0860002	CryptoServer module UTIL RTC: IOCTL Error
B0860003	CryptoServer module UTIL RTC: Read Error
B0860004	CryptoServer module UTIL RTC: Write Error
B0860005	CryptoServer module UTIL Error closing RTC Device
B0860006	CryptoServer module UTIL Wrong Time Format
B0860007	CryptoServer module UTIL Null Pointer given
B0860008	CryptoServer module UTIL File Open Error
B0860009	CryptoServer module UTIL File Read Error
B086000A	CryptoServer module UTIL File Close Error
B086000B	CryptoServer module UTIL Null Pointer given
B086000C	CryptoServer module UTIL Random Number Generator failed
B086000D	CryptoServer module UTIL Error allocating Memory
B086000E	CryptoServer module UTIL invalid argument

Code	Description
B086000F	CryptoServer module UTIL function not supported
B0860010	CryptoServer module UTIL Known answer test failed
B0860011	CryptoServer module UTIL Random Number Generator is not initialized
B0860012	CryptoServer module UTIL Bad Parameter
B0860013	CryptoServer module UTIL Given security strength not supported
B0860014	CryptoServer module UTIL Max number of requested randombits per call exceeded
B0860015	CryptoServer module UTIL prediction resistance not supported for current handle
B0860020	CryptoServer module UTIL RTC has lost power
B0860021	CryptoServer module UTIL RTC is not initialized (RTC has to be set)
B086FC00	CryptoServer module UTIL SMOS Version does not match

B087xxxx – CryptoServer module ADM

Code	Description
B0870001	CryptoServer module ADM file open error
B0870002	CryptoServer module ADM file read error
B0870003	CryptoServer module ADM file write error
B0870004	CryptoServer module ADM file close error
B0870005	CryptoServer module ADM file (module) does not exist
B0870006	CryptoServer module ADM wrong filename syntax
B0870007	CryptoServer module ADM no module info found
B0870008	CryptoServer module ADM file not found
B087000A	CryptoServer module ADM no modules version found
B087000B	CryptoServer module ADM wrong command data length
B087000C	CryptoServer module ADM unable to open i2c device
B087000D	CryptoServer module ADM unable to read i2c device
B087000F	CryptoServer module ADM permission denied
B0870011	CryptoServer module ADM file size exceeds limit

Code	Description
B0870012	CryptoServer module ADM bad signature
B0870013	CryptoServer module ADM no UTIL module present
B0870014	CryptoServer module ADM memory allocation error
B0870015	CryptoServer module ADM function not supported
B0870016	CryptoServer module ADM invalid crc
B0870017	CryptoServer module ADM invalid size
B0870018	CryptoServer module ADM bad MMC format
B0870019	CryptoServer module ADM no HASH module present
B087001A	CryptoServer module ADM no VRSA module present
B087001B	CryptoServer module ADM no DB module present
B087001C	CryptoServer module ADM no AES module present
B087001D	CryptoServer module ADM module decryption failed
B087001E	CryptoServer module ADM invalid key type
B087001F	CryptoServer module ADM invalid parameter
B0870020	CryptoServer module ADM invalid file type

Code	Description
B0870021	CryptoServer module ADM invalid item length
B0870022	CryptoServer module ADM item not found
B0870023	CryptoServer module ADM no MBK module present
B0870024	CryptoServer module ADM no MBK key available
B0870025	CryptoServer module ADM cannot allocate memory
B0870026	CryptoServer module ADM cannot allocate secure memory
B0870027	CryptoServer module ADM export of MBK database not allowed
B0870028	CryptoServer module ADM invalid MBK value (valid: 0 (DES), 1 (AES))
B0870029	CryptoServer module ADM given MBK type differs to stored MBK with the highest priority
B087002A	CryptoServer module ADM given MAC differs to calculated MAC
B087002B	CryptoServer module ADM given DB index differs to original DB index
B087002C	CryptoServer module ADM import of database session.db not allowed
B087002D	CryptoServer module ADM export of database session.db not allowed
B087002E	CryptoServer module ADM import of MBK database not allowed
B087003x	CryptoServer module ADM module section

Code	Description
B0870030	CryptoServer module ADM module section invalid MTC header
B0870031	CryptoServer module ADM module section invalid MMC header
B0870032	CryptoServer module ADM module section invalid MSC header
B0870033	CryptoServer module ADM module section invalid MSC header
B0870034	CryptoServer module ADM module section invalid SLF header
B0870035	CryptoServer module ADM module section no module info found
B0870036	CryptoServer module ADM module section MTC doesn't contain signature
B0870037	CryptoServer module ADM module section invalid MMC hash
B0870038	CryptoServer module ADM module section can't decrypt firmware module
B0870039	CryptoServer module ADM module section invalid SCF header

Code	Description
B087004x	CryptoServer module ADM key section
B0870040	CryptoServer module ADM key section key is corrupted
B087005x	CryptoServer module ADM cfg section
B0870051	CryptoServer module ADM cfg section could not retrieve version of requested module
B0870052	CryptoServer module ADM cfg section requested module is too old, does not yet support cfg
B0870053	CryptoServer module ADM cfg section unknown module, unknown how to cfg
B0870054	CryptoServer module ADM cfg section loading of an Alternative Module Signature Key is blocked
B087006x	CryptoServer module ADM FIPS section
B0870061	CryptoServer module ADM FIPS section evaluation of FIPS mode has gone wrong
B0870062	CryptoServer module ADM FIPS section virtual error code for restricted FIPS mode
B0870063	CryptoServer module ADM FIPS section function not available in FIPS mode

Code	Description
B0870064	CryptoServer module ADM FIPS section function not available in FIPS error state
B0870070	CryptoServer module ADM FIPS section not allowed in CC Endorsed Mode
B0870071	CryptoServer module ADM FIPS section not allowed in CC Error State
B0870080	CryptoServer module ADM FIPS section import of authentication key database not allowed
B0870081	CryptoServer module ADM FIPS section export of authentication key database not allowed

B088xxxx – CryptoServer Database Module

Code	Description
B0880001	CryptoServer Database Module memory allocation failed
B0880002	CryptoServer Database Module bad master encryption key
B0880003	CryptoServer Database Module no space in database
B0880004	CryptoServer Database Module record not found
B0880005	CryptoServer Database Module record already exists
B0880006	CryptoServer Database Module no space in cache
B0880007	CryptoServer Database Module corrupted database file
B0880008	CryptoServer Database Module record CRC error
B0880009	CryptoServer Database Module bad database name
B088000A	CryptoServer Database Module bad database handle
B088000B	CryptoServer Database Module bad file type of database file
B088000D	CryptoServer Database Module bad info structure
B088000E	CryptoServer Database Module database in use
B088000F	CryptoServer Database Module bad data length

Code	Description
B0880011	CryptoServer Database Module database handle confused
B0880012	CryptoServer Database Module internal inconsistency
B0880013	CryptoServer Database Module SMOS version is too old
B0881000	CryptoServer Database Module bad length of command block
B0881001	CryptoServer Database Module io error on database file
B0881002	CryptoServer Database Module test database not open
B0881003	CryptoServer Database Module db handle corrupted
B0881004	CryptoServer Database Module db node corrupted
B0881005	CryptoServer Database Module db cache corrupted

B089xxxx – CryptoServer module HASH

Code	Description
B0890001	CryptoServer module HASH Memory Error
B0890002	CryptoServer module HASH Illegal Parameter
B0890003	CryptoServer module HASH Illegal Length
B0890004	CryptoServer module HASH Illegal Mode
B0890005	CryptoServer module HASH Function not supported
B0890006	CryptoServer module HASH Mode not permitted in FIPS mode

B08Bxxxx – CryptoServer module AES

Code	Description
B08B0001	CryptoServer module AES length of data is not a multiple of 16 bytes
B08B0002	CryptoServer module AES length of key is not 16, 24, or 32
B08B0003	CryptoServer module AES cannot allocate memory
B08B0004	CryptoServer module AES mode is unknown
B08B0005	CryptoServer module AES For cfb1 decryption the key must always prepared for encryption
B08B0006	CryptoServer module AES unknown padding mechanism
B08B0007	CryptoServer module AES invalid padding
B08B0008	CryptoServer module AES invalid parameter
B08B0009	CryptoServer module AES could not get local Master Key
B08B000A	CryptoServer module AES mode of prepared key does not match mode parameter
B08B000C	CryptoServer module AES Zero data length is not allowed
B08B000D	CryptoServer module AES Overflow of block counter in CTR chaining mode
B08B000E	CryptoServer module AES Tag verification on CCM/GCM decrypt failed

B08Dxxxx – CryptoServer module DSA

Code	Description
B08D0001	CryptoServer module DSA cannot allocate memory
B08D0002	CryptoServer module DSA prime P is too small
B08D0003	CryptoServer module DSA prime Q is too small
B08D0004	CryptoServer module DSA domain parameter generation failed
B08D0005	CryptoServer module DSA invalid generator value G
B08D0006	CryptoServer module DSA bad primes P and Q
B08D0007	CryptoServer module DSA byte string is not a keytoken
B08D0008	CryptoServer module DSA component is not a member of this token
B08D0009	CryptoServer module DSA component is already a member of this token
B08D000A	CryptoServer module DSA value for flags is invalid
B08D000B	CryptoServer module DSA wrong hash value length
B08D000C	CryptoServer module DSA private and public key do not correspond
B08D000D	CryptoServer module DSA invalid parameter
B08D000E	CryptoServer module DSA bad public key

Code	Description
B08D000F	CryptoServer module DSA bad private key
B08D0010	CryptoServer module DSA bad length of key token
B08D0011	CryptoServer module DSA signature verification failed
B08D0012	CryptoServer module DSA bad format of signature
B08D0013	CryptoServer module DSA no ASN.1 module loaded
B08D0014	CryptoServer module DSA buffer for result is too small
B08D0015	CryptoServer module DSA pairwise consistency check failed on keygen
B08D0018	CryptoServer module DSA Zero length not allowed
B08D0030	CryptoServer module DSA The function called is no longer supported
B08D0100	CryptoServer module DSA bad key token in command string

B08Exxxx – CryptoServer module LNA

Code	Description
B08E0001	CryptoServer module LNA result overflow
B08E0002	CryptoServer module LNA result negativ
B08E0003	CryptoServer module LNA modulus too short
B08E0004	CryptoServer module LNA data greater than modulus
B08E0005	CryptoServer module LNA can't alloc memory
B08E0006	CryptoServer module LNA exponent is 0
B08E0007	CryptoServer module LNA division by zero
B08E0008	CryptoServer module LNA number too short
B08E0009	CryptoServer module LNA bad parameter
B08E000A	CryptoServer module LNA no prime found
B08E000B	CryptoServer module LNA modulus is even
B08E0100	CryptoServer module LNA result overflow
B08E0101	CryptoServer module LNA bad argument length
B08E0102	CryptoServer module LNA internal error while generating prime

B08Fxxxx – CryptoServer module ECA

Code	Description
B08F0001	CryptoServer module ECA can't alloc memory
B08F0002	CryptoServer module ECA not supported
B08F0003	CryptoServer module ECA bad parameter
B08F0004	CryptoServer module ECA curve not found
B08F0005	CryptoServer module ECA curve already registered
B08F0006	CryptoServer module ECA input number too big
B08F0007	CryptoServer module ECA infinite result
B08F0008	CryptoServer module ECA incompatible precalculated point
B08F0009	CryptoServer module ECA bad length of argument
B08F000A	CryptoServer module ECA bad tag of point
B08F000B	CryptoServer module ECA no square root found
B08F000C	CryptoServer module ECA non-residue could not be found
B08F000D	CryptoServer module ECA no ASN.1 module found
B08F000E	CryptoServer module ECA error decoding ASN.1 EC domain parameter

Code	Description
B08F000F	CryptoServer module ECA bad value of EC point
B08F0010	CryptoServer module ECA bad value of EC domain parameter
B08F0011	CryptoServer module ECA EC domain parameters differ
B08F0012	CryptoServer module ECA invalid domain parameter
B08F0013	CryptoServer module ECA invalid irreducible polynomial
B08F0014	CryptoServer module ECA curve not available in FIPS mode
B08F0015	CryptoServer module ECA function not available in FIPS mode
B08F0016	CryptoServer module ECA Curve not secure for CC standards
B08F0017	CryptoServer module ECA table of precalculated values empty/inconsistent
B08F0101	CryptoServer module ECA bad argument length
B08F0102	CryptoServer module ECA internal error

B090xxxx – CryptoServer module TECA

Code	Description
B0900001	CryptoServer module TECA permission denied
B0900002	CryptoServer module TECA invalid parameter
B0900003	CryptoServer module TECA invalid parameter length
B0900004	CryptoServer module TECA memory allocation failed
B0900005	CryptoServer module TECA invalid mode
B0900006	CryptoServer module TECA item not found
B0900007	CryptoServer module TECA unresolved module dependency
B0900008	CryptoServer module TECA file I/O error

B091xxxx – CryptoServer module ASN1

Code	Description
B0910001	CryptoServer module ASN1 Memory Error
B0910002	CryptoServer module ASN1 Parameter flag is incorrect
B0910003	CryptoServer module ASN1 ASN1_ITEM table overflow
B0910004	CryptoServer module ASN1 bad ZKA format
B0910005	CryptoServer module ASN1 ASN1 data overrun
B0910006	CryptoServer module ASN1 tag too big
B0910007	CryptoServer module ASN1 indefinite length not supportet
B0910008	CryptoServer module ASN1 lenght field too big
B0910009	CryptoServer module ASN1 internal stack overflow
B091000A	CryptoServer module ASN1 item not found
B091000B	CryptoServer module ASN1 ASN1 buffer overflow
B091000C	CryptoServer module ASN1 bad value of 'nitems' in ITEM table
B091000D	CryptoServer module ASN1 zero tag
B091000E	CryptoServer module ASN1 bad PKCS#1 format

Code	Description
B091000F	CryptoServer module ASN1 decoding error
B0910010	CryptoServer module ASN1 calculated size exceeds given datasize

B096xxxx – CryptoServer module MBK

Code	Description
B0960001	CryptoServer module MBK Parameter mismatch
B0960002	CryptoServer module MBK MBK database is suspended
B0960003	CryptoServer module MBK Unexpected null pointer
B0960004	CryptoServer module MBK Permission denied
B0960005	CryptoServer module MBK ISO hash check of key failed
B0960006	CryptoServer module MBK Key types do not match
B0960007	CryptoServer module MBK Key generation date do not match
B0960008	CryptoServer module MBK Key generation time do not match
B0960009	CryptoServer module MBK Key names do not match
B096000A	CryptoServer module MBK Verify of existing master key failed
B096000B	CryptoServer module MBK Slot is empty
B096000C	CryptoServer module MBK Slot number not valid
B096000D	CryptoServer module MBK Record number not valid
B096000E	CryptoServer module MBK Key length not valid

Code	Description
B096000F	CryptoServer module MBK Wrong format in time structure detected
B0960010	CryptoServer module MBK BCD coded time length mismatch
B0960011	CryptoServer module MBK No key name or NULL pointer for key name
B0960012	CryptoServer module MBK Action canceled by user
B0960013	CryptoServer module MBK Invalid mode for AES key passed
B0960014	CryptoServer module MBK Both versions of the MBK database exists
B0960015	CryptoServer module MBK External parameter already set from extern and overwrite flag is not set
B0960016	CryptoServer module MBK The AES Module is not available
B0960017	CryptoServer module MBK Invalid key type
B0960018	CryptoServer module MBK memory allocation failed
B0960019	CryptoServer module MBK bad database format
B096001A	CryptoServer module MBK smartcard record is empty
B096001B	CryptoServer module MBK smartcard only contains empty records
B096001C	CryptoServer module MBK unable to require semaphore
B096001D	CryptoServer module MBK maximum numbers of key exchange keys reached

Code	Description
B096001E	CryptoServer module MBK invalid flags value
B096001F	CryptoServer module MBK info length not valid
B0960020	CryptoServer module MBK key already exists
B0960021	CryptoServer module MBK invalid length of key share
B0960022	CryptoServer module MBK invalid number of key shares
B0960023	CryptoServer module MBK the ECA module is not available
B0960024	CryptoServer module MBK number of key shares doesn't match
B0960025	CryptoServer module MBK invalid key ID
B0960026	CryptoServer module MBK multiple occurrence of same key ID
B0960027	CryptoServer module MBK no kek found with given hash
B0960028	CryptoServer module MBK function is not supported
B0960029	CryptoServer module MBK no PIN pad module found
B096002A	CryptoServer module MBK no smartcard module found
B096002B	CryptoServer module MBK function not available in FIPS mode
B096002C	CryptoServer module MBK not allowed in CC Endorsed Mode

Code	Description
B096002D	CryptoServer module MBK function is deprecated

B099xxxx – CryptoServer module PIN

Code	Description
B0990001	CryptoServer module PIN bad PIN block format
B0990002	CryptoServer module PIN bad parameter
B0990003	CryptoServer module PIN can't allocate memory
B0990004	CryptoServer module PIN bad PIN length
B0990005	CryptoServer module PIN not enough digits found
B0990006	CryptoServer module PIN bad translation table
B0990007	CryptoServer module PIN bad PIN conditions
B0990008	CryptoServer module PIN PIN does not meet conditions

B09Axxxx – CryptoServer module NTP

Code	Description
B09A0001	CryptoServer module NTP NTP: Command with invalid data length
B09A0002	CryptoServer module NTP NTP: requested time delay too big
B09A0003	CryptoServer module NTP NTP: daily time delay exceeded
B09A0004	CryptoServer module NTP NTP: old function call; use new one
B09A0005	CryptoServer module NTP NTP: negative time set; use flag to set backward
B09A0006	CryptoServer module NTP NTP: ntp module is not activated
B09A0007	CryptoServer module NTP NTP: database error
B09A0008	CryptoServer module NTP NTP: permission denied

B09Cxxxx – CryptoServer module ECDSA

Code	Description
B09C0001	CryptoServer module ECDSA cannot allocate memory
B09C0002	CryptoServer module ECDSA null component in signature (r,s)
B09C0003	CryptoServer module ECDSA value for flags is invalid
B09C0004	CryptoServer module ECDSA private and public key do not correspond
B09C0005	CryptoServer module ECDSA bad public key
B09C0006	CryptoServer module ECDSA bad private key
B09C0007	CryptoServer module ECDSA signature verification failed
B09C0008	CryptoServer module ECDSA bad format of signature
B09C0009	CryptoServer module ECDSA no ASN.1 module loaded
B09C000A	CryptoServer module ECDSA buffer for result is too small
B09C000B	CryptoServer module ECDSA malformed ASN.1 coded key pair
B09C000C	CryptoServer module ECDSA bad parameter
B09C000D	CryptoServer module ECDSA mac check of ecies encrypted data failed
B09C000E	CryptoServer module ECDSA no AES module loaded

Code	Description
B09C000F	CryptoServer module ECDSA pairwise consistency check failed on keygen
B09C0010	CryptoServer module ECDSA Zero length not allowed
B09C0011	CryptoServer module ECDSA secure mode of curve not available
B09C0012	CryptoServer module ECDSA count of signatures per command exceeds limit

B900xxxx – CryptoServer API

Code	Description
B90000xx	CryptoServer API CryptoServer API core functions
B9000000	CryptoServer API CryptoServer API core functions bad tag in data block
B9000001	CryptoServer API CryptoServer API core functions invalid handle
B9000002	CryptoServer API CryptoServer API core functions invalid argument
B9000003	CryptoServer API CryptoServer API core functions can't alloc memory
B9000004	CryptoServer API CryptoServer API core functions malformed protocol stack
B9000005	CryptoServer API CryptoServer API core functions data block too big
B9000007	CryptoServer API CryptoServer API core functions bad V24 device
B9000008	CryptoServer API CryptoServer API core functions bad V24 parameter
B9000009	CryptoServer API CryptoServer API core functions can't calculate block length

Code	Description
B900000A	CryptoServer API CryptoServer API core functions empty command block
B900000B	CryptoServer API CryptoServer API core functions malformed answer block from CSLAN
B900000C	CryptoServer API CryptoServer API core functions can't set V24 device
B900000D	CryptoServer API CryptoServer API core functions V24 mode not activated
B900000E	CryptoServer API CryptoServer API core functions V24 crc error on read
B9000010	CryptoServer API CryptoServer API core functions bad length within format string (scanf)
B9000011	CryptoServer API CryptoServer API core functions bad format of command block
B9000012	CryptoServer API CryptoServer API core functions bad parameter structure (scanf)
B9000013	CryptoServer API CryptoServer API core functions bad format string (scanf)
B9000014	CryptoServer API CryptoServer API core functions cs_scanf not supported

Code	Description
B9000015	CryptoServer API CryptoServer API core functions CSAPI handle still in use
B90001xx	CryptoServer API command layer for old KryptoServer
B9000100	CryptoServer API command layer for old KryptoServer length error of answer block
B9000101	CryptoServer API command layer for old KryptoServer bad length error of command data
B9000102	CryptoServer API command layer for old KryptoServer missing parameter structure
B90002xx	CryptoServer API command layer CMDS for CryptoServer
B9000200	CryptoServer API command layer CMDS for CryptoServer length error of answer block
B9000201	CryptoServer API command layer CMDS for CryptoServer bad length of command data
B9000202	CryptoServer API command layer CMDS for CryptoServer missing parameter structure
B9000203	CryptoServer API command layer CMDS for CryptoServer bad tag of answer block
B90003xx	CryptoServer API command layer CHNL for CryptoServer

Code	Description
B9000300	CryptoServer API command layer CHNL for CryptoServer length error of answer block
B9000301	CryptoServer API command layer CHNL for CryptoServer bad tag of answer block
B90004xx	CryptoServer API authentication layer for CryptoServer
B9000400	CryptoServer API authentication layer for CryptoServer length error of answer block
B9000401	CryptoServer API authentication layer for CryptoServer invalid function code
B9000402	CryptoServer API authentication layer for CryptoServer malformed answer block
B9000403	CryptoServer API authentication layer for CryptoServer invalid authentication mechanism
B9000404	CryptoServer API authentication layer for CryptoServer error in hash function
B9000405	CryptoServer API authentication layer for CryptoServer error in signature function
B9000406	CryptoServer API authentication layer for CryptoServer error in HMAC function
B90005xx	CryptoServer API command layer BL for CryptoServer

Code	Description
B9000500	CryptoServer API command layer BL for CryptoServer length error of answer block
B9000501	CryptoServer API command layer BL for CryptoServer bad length error of command data
B9000502	CryptoServer API command layer BL for CryptoServer missing parameter structure
B9000503	CryptoServer API command layer BL for CryptoServer bad tag of answer block
B90006xx	CryptoServer API secure messaging layer for CryptoServer
B9000600	CryptoServer API secure messaging layer for CryptoServer length error of answer block
B9000601	CryptoServer API secure messaging layer for CryptoServer malformed answer block
B9000602	CryptoServer API secure messaging layer for CryptoServer invalid SM mechanism
B9000603	CryptoServer API secure messaging layer for CryptoServer zero length data
B9000604	CryptoServer API secure messaging layer for CryptoServer en- / decryption / MAC error

Code	Description
B9000605	CryptoServer API secure messaging layer for CryptoServer secure messaging unwrap error
B9000Axx	CryptoServer API command layer CDI for CryptoServer
B9000A00	CryptoServer API command layer CDI for CryptoServer length error of answer block
B9000A01	CryptoServer API command layer CDI for CryptoServer bad length error of command data
B9000A02	CryptoServer API command layer CDI for CryptoServer missing parameter structure
B9000A03	CryptoServer API command layer CDI for CryptoServer bad tag of answer block
B9000Cxx	CryptoServer API command layer TL for CryptoServer
B9000C00	CryptoServer API command layer TL for CryptoServer length error of answer block
B9000C01	CryptoServer API command layer TL for CryptoServer bad tag of answer block
B9000Exx	CryptoServer API command layer DUMMY for CryptoServer
B9000E00	CryptoServer API command layer DUMMY for CryptoServer length error of answer block

Code	Description
B9000E01	CryptoServer API
	command layer DUMY for CryptoServer
	bad length error of command data
B9000E02	CryptoServer API
	command layer DUMY for CryptoServer
	missing parameter structure

B901xxxx – CryptoServer API LINUX

Code	Description
B9010001	CryptoServer API LINUX path name too long
B9010002	CryptoServer API LINUX bad port number
B9010003	CryptoServer API LINUX bad IP address
B9010004	CryptoServer API LINUX bad host name
B9010005	CryptoServer API LINUX connection terminated by remote host
B9010006	CryptoServer API LINUX can't alloc memory
B9010007	CryptoServer API LINUX timeout occurred
B9010008	CryptoServer API LINUX invalid argument
B9010009	CryptoServer API LINUX no space for sockaddr (internal error)
B901000A	CryptoServer API LINUX bad block size received
B901000B	CryptoServer API LINUX no ready message from CMDS
B901000C	CryptoServer API LINUX cs2 exceeds critical temperature
B901000D	CryptoServer API LINUX error on /proc file
B901000E	CryptoServer API LINUX can't stat device file

Code	Description
B901000F	CryptoServer API LINUX buffer size too small
B9011xxx	CryptoServer API LINUX can't open device
B9012xxx	CryptoServer API LINUX can't creat socket
B9013xxx	CryptoServer API LINUX can't get connection
B9014xxx	CryptoServer API LINUX error while polling
B9015xxx	CryptoServer API LINUX read error
B9015701	CryptoServer API LINUX read error timeout
B9015706	CryptoServer API LINUX read error operation interruptet by reset
B9015707	CryptoServer API LINUX read error high temperature
B901570A	CryptoServer API LINUX read error CryptoServer halted
B901570B	CryptoServer API LINUX read error panic message from CryptoServer
B9016xxx	CryptoServer API LINUX write error

Code	Description
B9016701	CryptoServer API LINUX write error timeout
B9016703	CryptoServer API LINUX write error request rejectet by CS2
B9016706	CryptoServer API LINUX write error operation interruptet by reset
B9016707	CryptoServer API LINUX write error high temperature
B901670A	CryptoServer API LINUX write error CryptoServer halted
B901670B	CryptoServer API LINUX write error panic message from CryptoServer
B9017xxx	CryptoServer API LINUX ioctl error
B9017701	CryptoServer API LINUX ioctl error timeout
B9017706	CryptoServer API LINUX ioctl error operation interrupted by reset
B9017707	CryptoServer API LINUX ioctl error high temperature

Code	Description
B901770A	CryptoServer API LINUX ioctl error CryptoServer halted
B901770B	CryptoServer API LINUX ioctl error panic message from CryptoServer
B901773x	CryptoServer API LINUX reset of CryptoServer failed
B9018xxx	CryptoServer API LINUX ioctl error (locking)
B9018706	CryptoServer API LINUX ioctl error (locking) operation interruptet by reset
B9019xxx	CryptoServer API LINUX tcp receive error
B901Axxx	CryptoServer API LINUX tcp send error

B902xxxx – CryptoServer API Windows

Code	Description
B9020001	CryptoServer API Windows path name too long
B9020002	CryptoServer API Windows bad port number
B9020003	CryptoServer API Windows bad IP address
B9020004	CryptoServer API Windows bad host name
B9020005	CryptoServer API Windows connection terminated by remote host
B9020006	CryptoServer API Windows can't alloc memory
B9020007	CryptoServer API Windows timeout occurred
B9020008	CryptoServer API Windows invalid argument
B9020009	CryptoServer API Windows no space for sockaddr (internal error)
B902000A	CryptoServer API Windows bad block size received
B902000B	CryptoServer API Windows no ready message from CMDS
B902000C	CryptoServer API Windows cs2 exceeds critical temperature
B9020010	CryptoServer API Windows invalid parameter
B9020011	CryptoServer API Windows invalid handle value

Code	Description
B9020013	CryptoServer API Windows error creating mutex
B9020014	CryptoServer API Windows unable to set lock
B9020015	CryptoServer API Windows timeout while waiting for mutex
B9020016	CryptoServer API Windows no valid mutex object
B90201xx	CryptoServer API Windows tcp: can't open device
B90202xx	CryptoServer API Windows tcp: can't create socket
B90203xx	CryptoServer API Windows tcp: can't get connection
B90204xx	CryptoServer API Windows tcp: error while polling
B90204F0	CryptoServer API Windows tcp: error while polling can't get connection
B90205xx	CryptoServer API Windows tcp: read error
B90206xx	CryptoServer API Windows tcp: write error
B90207xx	CryptoServer API Windows tcp: init error
B90208xx	CryptoServer API Windows tcp: ioctl error
B9021xxx	CryptoServer API Windows dci: can't open device
B9022xxx	CryptoServer API Windows read error

Code	Description
B9022001	CryptoServer API Windows read error read returned wrong length
B90220B5	CryptoServer API Windows read error read timeout
B9022706	CryptoServer API Windows read error operation interruptet by reset
B9022707	CryptoServer API Windows read error high temperature
B902273x	CryptoServer API Windows reset failed
B9023xxx	CryptoServer API Windows dci: write error
B9023001	CryptoServer API Windows dci: write error write returned wrong length
B90230B5	CryptoServer API Windows dci: write error write timeout
B9023706	CryptoServer API Windows dci: write error operation interrupted by reset
B9023707	CryptoServer API Windows dci: write error high temperature
B902373x	CryptoServer API Windows reset failed

Code	Description
B9024xxx	CryptoServer API Windows dci: ioctl error
B9024001	CryptoServer API Windows dci: ioctl error no ready message from CMDS
B90240B5	CryptoServer API Windows dci: ioctl error ioctl timeout
B9024706	CryptoServer API Windows dci: ioctl error operation interruptet by reset
B9024707	CryptoServer API Windows dci: ioctl error high temperature
B902473x	CryptoServer API Windows reset failed
B9025xxx	CryptoServer API Windows mutex section
B9028xxx	CryptoServer API Windows tcp: startup error
B9029xxx	CryptoServer API Windows tcp: address error
B902Axxx	CryptoServer API Windows tcp: can't create socket
B902Bxxx	CryptoServer API Windows tcp: can't get connection
B902B03C	CryptoServer API Windows tcp: can't get connection connection attempt timed out

Code	Description
B902B03D	CryptoServer API Windows tcp: can't get connection connection attempt refused
B902Cxxx	CryptoServer API Windows tcp: error on select
B902Dxxx	CryptoServer API Windows tcp: receive error
B902Exxx	CryptoServer API Windows tcp: send error
B902Fxxx	CryptoServer API Windows tcp: ioctl error

B904xxxx – yacI library

Code	Description
B90400xx	yacI library DES modul
B9040000	yacI library DES modul length of DES-Key is not 8, 16 or 24 byte
B9040001	yacI library DES modul length of input data is not a multiple of 8
B9040013	yacI library DES modul invalid irreducible polynomial
B90401xx	yacI library RSA modul
B9040100	yacI library RSA modul effective length of result is greater
B9040101	yacI library RSA modul effective length of on input operand
B9040102	yacI library RSA modul result of subtraction would be negativ
B9040103	yacI library RSA modul divisor/modulus is zero with division
B9040104	yacI library RSA modul operand for 'esm' is greater than modulus

Code	Description
B90402xx	yacl library Long Number Arithmetic
B9040201	yacl library Long Number Arithmetic result overflow
B9040202	yacl library Long Number Arithmetic result negativ
B9040203	yacl library Long Number Arithmetic modulus too short
B9040204	yacl library Long Number Arithmetic data greater than modulus
B9040205	yacl library Long Number Arithmetic can't alloc memory
B9040206	yacl library Long Number Arithmetic exponent is 0
B9040207	yacl library Long Number Arithmetic division by zero
B9040208	yacl library Long Number Arithmetic number too short
B9040209	yacl library Long Number Arithmetic bad parameter

Code	Description
B904020A	yacI library Long Number Arithmetic no prime found
B904020B	yacI library Long Number Arithmetic modulus is even
B90403xx	yacI library RSA functions
B9040301	yacI library RSA functions cannot allocate memory
B9040302	yacI library RSA functions buffer for result is to small
B9040303	yacI library RSA functions data size too big (greater than modulus)
B9040304	yacI library RSA functions modulus is not $p * q$
B9040305	yacI library RSA functions p is greater then q
B9040306	yacI library RSA functions u is not $(1/q) \bmod p$
B9040307	yacI library RSA functions dp is not $d \bmod (p-1)$

Code	Description
B9040308	yacl library RSA functions dq is not d mod (q-1)
B9040309	yacl library RSA functions $\gcd(p-1, e) \neq 1$ or $\gcd(q-1, e) \neq 1$
B904030A	yacl library RSA functions $d * e \neq 1 \bmod (p-1)(q-1)$
B904030B	yacl library RSA functions Key length too small
B904030C	yacl library RSA functions modulus too small
B904030D	yacl library RSA functions bad key components
B904030E	yacl library RSA functions invalid parameter
B904030F	yacl library RSA functions key generation failed
B9040310	yacl library RSA functions Invalid hash algorithm
B9040311	yacl library RSA functions Signature verification failed

Code	Description
B9040312	yacl library RSA functions PKCS#1 decryption failed
B9040313	yacl library RSA functions PKCS#1 encoding error
B9040314	yacl library RSA functions invalid public exponent
B90404xx	yacl library SAFER module
B9040400	yacl library SAFER module length of SAFER-Key is not 8 or 16
B9040401	yacl library SAFER module length of input data is not a multiple of 8
B90405xx	yacl library Pseudo Random Number Generator
B9040501	yacl library Pseudo Random Number Generator Null pointer in argument
B9040502	yacl library Pseudo Random Number Generator Wrong length of seed
B9040503	yacl library Pseudo Random Number Generator Can't auto initialize rnd generator
B90406xx	yacl library AES module

Code	Description
B9040600	yacl library AES module length of AES-Key is not 16, 24 or 32
B9040601	yacl library AES module length of input data is not a multiple of 16
B9040602	yacl library AES module bad input parameter (eg. NULL pointer not allowed)
B90408xx	yacl library ASN1 module
B9040821	yacl library ASN1 module Memory Error
B9040822	yacl library ASN1 module Parameter flag is incorrect
B9040823	yacl library ASN1 module ASN1_ITEM table overflow
B9040824	yacl library ASN1 module Component flag is not defined
B9040825	yacl library ASN1 module ASN1 data overrun
B9040826	yacl library ASN1 module tag too big

Code	Description
B9040827	yacI library ASN1 module indefinite length not supportet
B9040828	yacI library ASN1 module lenght field too big
B904082A	yacI library ASN1 module item not found
B904082B	yacI library ASN1 module ASN1 buffer overflow
B904082C	yacI library ASN1 module bad value of 'nitems' in ITEM table
B904082D	yacI library ASN1 module zero tag
B904082F	yacI library ASN1 module decoding error
B9040830	yacI library ASN1 module calculated size exceeds given datasize
B90409xx	yacI library Hash module
B9040901	yacI library Hash module Invalid hash mode

Code	Description
B9040902	yacl library Hash module Invalid length
B9040903	yacl library Hash module Invalid parameter
B9040Axx	yacl library module ECA
B9040A01	yacl library module ECA can't alloc memory
B9040A02	yacl library module ECA not supported
B9040A03	yacl library module ECA bad parameter
B9040A04	yacl library module ECA curve not found
B9040A05	yacl library module ECA curve already registered
B9040A06	yacl library module ECA input number too big
B9040A07	yacl library module ECA infinite result

Code	Description
B9040A08	yacI library module ECA incompatible precalculated point
B9040A09	yacI library module ECA bad length of argument
B9040A0A	yacI library module ECA bad tag of point
B9040A0B	yacI library module ECA no square root found
B9040A0C	yacI library module ECA non-residue could not be found
B9040A0D	yacI library module ECA no ASN.1 module found
B9040A0E	yacI library module ECA error decoding ASN.1 EC domain parameter
B9040A0F	yacI library module ECA bad value of EC point
B9040A10	yacI library module ECA bad value of EC domain parameter
B9040A11	yacI library module ECA EC domain parameters differ

Code	Description
B9040A12	yacl library module ECA invalid domain parameter
B9040Bxx	yacl library module ECDSA
B9040B01	yacl library module ECDSA cannot allocate memory
B9040B02	yacl library module ECDSA null component in signature (r,s)
B9040B03	yacl library module ECDSA value for flags is invalid
B9040B04	yacl library module ECDSA private and public key do not correspond
B9040B05	yacl library module ECDSA bad public key
B9040B06	yacl library module ECDSA bad private key
B9040B07	yacl library module ECDSA signature verification failed
B9040B08	yacl library module ECDSA bad format of signature

Code	Description
B9040B09	yacI library module ECDSA no ASN.1 module loaded
B9040B0A	yacI library module ECDSA buffer for result is too small
B9040B0B	yacI library module ECDSA malformed ASN.1 coded key pair
B9040Cxx	yacI library module DSA
B9040C01	yacI library module DSA prime P is too small
B9040C02	yacI library module DSA prime Q is too small
B9040C03	yacI library module DSA domain parameter generation failed
B9040C04	yacI library module DSA invalid generator value G
B9040C05	yacI library module DSA bad primes P and Q
B9040C06	yacI library module DSA hash value too long

Code	Description
B9040C07	yacl library module DSA private and public key do not correspond
B9040C08	yacl library module DSA invalid parameter
B9040C09	yacl library module DSA bad public key
B9040C0A	yacl library module DSA bad private key
B9040C0B	yacl library module DSA signature verification failed
B9040C0C	yacl library module DSA bad format of signature
B9040C0D	yacl library module DSA buffer for result is to small
B9040Dxx	yacl library PK module
B9040D01	yacl library PK module invalid parameter
B9040D02	yacl library PK module memory allocation failed

Code	Description
B9040D03	yacI library PK module unknown distinguished name type
B9040D04	yacI library PK module invalid distinguished name (value or length)
B9040D05	yacI library PK module invalid time format
B9040D06	yacI library PK module unknown / unsupported key type
B9040D07	yacI library PK module unknown / unsupported signature algorithm
B9040D08	yacI library PK module unknown / unsupported hash algorithm
B9040D09	yacI library PK module invalid / unsupported version
B9040D0A	yacI library PK module unknown / unsupported PKCS7 content type
B9040D0B	yacI library PK module no PKCS7 version found
B9040D0C	yacI library PK module unknown PKCS7 element type

Code	Description
B9040D0D	yacl library PK module element type SIGNATURE not found
B9040D0E	yacl library PK module element type ENVELOPED not found
B9040D0F	yacl library PK module element type CERT not found
B9040D10	yacl library PK module element type AUTH_ATT not found
B9040D11	yacl library PK module element type UNAUTH_ATT not found
B9040D12	yacl library PK module element type SIG_TIME not found
B9040D13	yacl library PK module element type DATA not found
B9040D14	yacl library PK module no signer certificate given
B9040D15	yacl library PK module no data or hash given to perform sign / verify operation
B9040D16	yacl library PK module invalid PKCS7 content type

Code	Description
B9040D17	yacI library PK module no digest algorithm in PKCS7 data found
B9040D18	yacI library PK module no signer infos found
B9040D19	yacI library PK module no issuer / serial number found
B9040D1A	yacI library PK module number of PK_P7_ELEM too small
B9040D1B	yacI library PK module invalid signer reference
B9040D1C	yacI library PK module content type is not SignedData
B9040D1D	yacI library PK module content type is not Enveloped
B9040D1E	yacI library PK module digestEncryptionAlgorithm doesn't match signer certificate key type
B9040D1F	yacI library PK module signature verification failed
B9040D20	yacI library PK module no recipient certificate given

Code	Description
B9040D21	yacl library PK module unknown / unsupported encryption key type
B9040D22	yacl library PK module multiple recipients not supported
B9040D23	yacl library PK module given certificate doesn't match certificate in PKCS7 structure
B9040D24	yacl library PK module given key doesn't match key encryption algorithm
B9040D25	yacl library PK module no key encryption algorithm identifier found
B9040D26	yacl library PK module no content type found
B9040D27	yacl library PK module no content encryption algorithm identifier found
B9040D28	yacl library PK module invalid attribute structure
B9040D29	yacl library PK module given buffer / struct doesn't contain enough space for this operation
B9040D30	yacl library PK module Unable to retrieve system time / convert time;

Code	Description
B9040D31	yacI library PK module unknown attribute type
B9040D32	yacI library PK module CRL issuer doesn't match certificate's subject / issuer
B9040D33	yacI library PK module requested attribute not available (optional)
B9040D34	yacI library PK module bad CRL format
B9040D35	yacI library PK module CRL is not yet valid
B9040D36	yacI library PK module partial CRL verification not initialized
B9040D40	yacI library PK module unsupported time format
B9040D41	yacI library PK module given time format contains century < 1900
B9040D42	yacI library PK module indefinite length not supportet
B9040D50	yacI library PK module invalid signer / invalid signer information

Code	Description
B9040D51	yacI library
	PK module
	invalid signer structure (ASN.1 error)
B9040Exx	yacI library
	crypt module
B9040E01	yacI library
	crypt module
	Old Crypt Version

B905xxxx – Serial Driver

Code	Description
B9050001	Serial Driver too many lines open
B9050002	Serial Driver error setting line parameters
B9050003	Serial Driver can't open device
B9050004	Serial Driver handle not open
B9050005	Serial Driver invalid handle
B9050006	Serial Driver invalid parameter value
B9050007	Serial Driver invalid parameter type
B9050008	Serial Driver error on read
B9050009	Serial Driver timeout on read
B905000A	Serial Driver error on write
B905000B	Serial Driver timeout on write
B905000C	Serial Driver error on ioctl
B9050010	Serial Driver no valid device name
B9050011	Serial Driver no valid Buffer selected

Code	Description
B9050012	Serial Driver line state parameter incorrect
B9050013	Serial Driver line select parameter incorrect
B9050014	Serial Driver error in communication driver
B9050015	Serial Driver Parity Error
B9050016	Serial Driver Frame Error
B9050017	Serial Driver Flush failed
B9050018	Serial Driver EOF on read

B906xxxx – CryptoServer admin library

Code	Description
B9060001	CryptoServer admin library malloc() failed
B9060002	CryptoServer admin library malformed PIN-Pad application list
B9061xxx	CryptoServer admin library Utility Functions
B9061001	CryptoServer admin library Utility Functions File Open Error
B9061002	CryptoServer admin library Utility Functions Key Structure has not been initialized
B9061003	CryptoServer admin library Utility Functions unable to open Keyfile
B9061004	CryptoServer admin library Utility Functions unknown Type of Keyfile
B9061005	CryptoServer admin library Utility Functions Error reading Keyfile
B9061006	CryptoServer admin library Utility Functions Error writing Keyfile
B9061007	CryptoServer admin library Utility Functions Wrong Keyfile Format in .tok file

Code	Description
B9061008	CryptoServer admin library Utility Functions Wrong Keyfile Format in .key file
B9061009	CryptoServer admin library Utility Functions Wrong File Name
B906100A	CryptoServer admin library Utility Functions invalid Key Source (file or smartcard)
B906100B	CryptoServer admin library Utility Functions invalid Key Type (private or public)
B906100C	CryptoServer admin library Utility Functions invalid Data Length
B906100D	CryptoServer admin library Utility Functions invalid Key Length
B906100E	CryptoServer admin library Utility Functions can't decrypt keyfile
B906100F	CryptoServer admin library Utility Functions no get_pass function specified (or twice)
B9061010	CryptoServer admin library Utility Functions Wrong Time Format YYYYMMDDHHMMSS
B9061011	CryptoServer admin library Utility Functions file not found

Code	Description
B9061012	CryptoServer admin library Utility Functions invalid parameter
B9061013	CryptoServer admin library Utility Functions function not supported
B9062xxx	CryptoServer admin library Bootloader Command Interface
B9062001	CryptoServer admin library Bootloader Command Interface Error calculating Hash with SHA1
B9062002	CryptoServer admin library Bootloader Command Interface error executing RSA
B9062003	CryptoServer admin library Bootloader Command Interface no random value present
B9062004	CryptoServer admin library Bootloader Command Interface invalid parameter
B9062005	CryptoServer admin library Bootloader Command Interface invalid key format
B9062006	CryptoServer admin library Bootloader Command Interface file open error
B9062007	CryptoServer admin library Bootloader Command Interface file read error

Code	Description
B9062008	CryptoServer admin library Bootloader Command Interface memory allocation error
B9062009	CryptoServer admin library Bootloader Command Interface response error from Cryptoserver
B906200A	CryptoServer admin library Bootloader Command Interface Module Name Syntax incorrect
B906200B	CryptoServer admin library Bootloader Command Interface Wrong Response Length from CS2
B906200C	CryptoServer admin library Bootloader Command Interface file does not exist
B906200D	CryptoServer admin library Bootloader Command Interface unable to convert time
B906200E	CryptoServer admin library Bootloader Command Interface invalid key size
B906200F	CryptoServer admin library Bootloader Command Interface no external erase prevailing
B9063xxx	CryptoServer admin library Admin Module Command Interface
B9063001	CryptoServer admin library Admin Module Command Interface invalid Parameter

Code	Description
B9063002	CryptoServer admin library Admin Module Command Interface File Name Syntax incorrect
B9063003	CryptoServer admin library Admin Module Command Interface File Open Error
B9063004	CryptoServer admin library Admin Module Command Interface File Read Error
B9063005	CryptoServer admin library Admin Module Command Interface File Path incorrect
B9063006	CryptoServer admin library Admin Module Command Interface Memory Allocation Error
B9063007	CryptoServer admin library Admin Module Command Interface wrong response length from CS2
B9063008	CryptoServer admin library Admin Module Command Interface file does not exist
B9063009	CryptoServer admin library Admin Module Command Interface unknown battery state
B906300A	CryptoServer admin library Admin Module Command Interface unable to convert time
B906300B	CryptoServer admin library Admin Module Command Interface malformed audit log file

Code	Description
B906300C	CryptoServer admin library Admin Module Command Interface no external erase prevailing
B906300D	CryptoServer admin library Admin Module Command Interface struct version mismatch (binary length)
B906300E	CryptoServer admin library Admin Module Command Interface invalid number of arguments returning
B906300F	CryptoServer admin library Admin Module Command Interface file not suitable for cryptoserver model
B9063010	CryptoServer admin library Admin Module Command Interface File Write Error
B9064xxx	CryptoServer admin library MMC / MTC tools
B9064001	CryptoServer admin library MMC / MTC tools Memory Allocation Error
B9064002	CryptoServer admin library MMC / MTC tools unable to open file
B9064003	CryptoServer admin library MMC / MTC tools Error reading file
B9064004	CryptoServer admin library MMC / MTC tools Error writing file

Code	Description
B9064005	CryptoServer admin library MMC / MTC tools unknown file type
B9064006	CryptoServer admin library MMC / MTC tools invalid encryption mode
B9064007	CryptoServer admin library MMC / MTC tools Module does not contain mdl_info
B9064008	CryptoServer admin library MMC / MTC tools Error reading mmc-header
B9064009	CryptoServer admin library MMC / MTC tools Error reading mtc-header
B906400A	CryptoServer admin library MMC / MTC tools key length isn't divisible by 8
B906400B	CryptoServer admin library MMC / MTC tools Error executing DES Decryption
B906400C	CryptoServer admin library MMC / MTC tools Error executing DES Encryption
B906400D	CryptoServer admin library MMC / MTC tools Error executing SHA1 Hash
B906400E	CryptoServer admin library MMC / MTC tools invalid Hash algo

Code	Description
B906400F	CryptoServer admin library MMC / MTC tools invalid Signature Key
B9064010	CryptoServer admin library MMC / MTC tools Null Pointer in Parameter
B9064011	CryptoServer admin library MMC / MTC tools Container is without Signature
B9064012	CryptoServer admin library MMC / MTC tools MTC is without Signature Info
B9064013	CryptoServer admin library MMC / MTC tools invalid MMC header
B9064014	CryptoServer admin library MMC / MTC tools invalid MTC header
B9064015	CryptoServer admin library MMC / MTC tools invalid signature header
B9064016	CryptoServer admin library MMC / MTC tools encryption not supported
B9064017	CryptoServer admin library MMC / MTC tools unknown target CPU of Module
B9064018	CryptoServer admin library MMC / MTC tools firmware decryption key required

Code	Description
B9064019	CryptoServer admin library MMC / MTC tools error decrypting firmware module
B906401A	CryptoServer admin library MMC / MTC tools invalid sign type
B906401B	CryptoServer admin library MMC / MTC tools write operation with zero data blocks
B9064020	CryptoServer admin library MMC / MTC tools invalid signature algo
B9064021	CryptoServer admin library MMC / MTC tools calculated Hash doesn't match with decrypted Hash
B9064022	CryptoServer admin library MMC / MTC tools invalid RSA Modulus to en-/decrypt signature
B9064023	CryptoServer admin library MMC / MTC tools invalid RSA Public Exponent to decrypt signature
B9064024	CryptoServer admin library MMC / MTC tools invalid RSA Modulus Exponent to encrypt signature
B9064025	CryptoServer admin library MMC / MTC tools Error RSA-decryption signature
B9064026	CryptoServer admin library MMC / MTC tools Error RSA-encrypting signature

Code	Description
B9064027	CryptoServer admin library MMC / MTC tools Error reading header of signature
B9064028	CryptoServer admin library MMC / MTC tools invlaid Hash algo for signature
B9064029	CryptoServer admin library MMC / MTC tools invalid Key Length
B906402A	CryptoServer admin library MMC / MTC tools invalid block type
B906402B	CryptoServer admin library MMC / MTC tools invalid pkcs#1 format
B906402C	CryptoServer admin library MMC / MTC tools bad hash value
B906402D	CryptoServer admin library MMC / MTC tools unknown target hardware of Module
B906402E	CryptoServer admin library MMC / MTC tools cannot sign an already signed SCF file
B9064040	CryptoServer admin library MMC / MTC tools parse error found in licence file
B9064041	CryptoServer admin library MMC / MTC tools not a licence file

Code	Description
B9064050	CryptoServer admin library MMC / MTC tools package archive contains no files
B9066xxx	CryptoServer admin library Authentication / Session layer
B9066001	CryptoServer admin library Authentication / Session layer Bad user name
B9066002	CryptoServer admin library Authentication / Session layer malloc failed
B9066003	CryptoServer admin library Authentication / Session layer bad user list returned from CS2
B9066004	CryptoServer admin library Authentication / Session layer bad length of answer from CS2
B9066006	CryptoServer admin library Authentication / Session layer specified keysize does not match smartcard
B9066008	CryptoServer admin library Authentication / Session layer invalid parameter
B9066009	CryptoServer admin library Authentication / Session layer user already exists
B906600A	CryptoServer admin library Authentication / Session layer file already exists

Code	Description
B906600B	CryptoServer admin library Authentication / Session layer file open error
B906600C	CryptoServer admin library Authentication / Session layer file read error
B906600D	CryptoServer admin library Authentication / Session layer file write error
B906600E	CryptoServer admin library Authentication / Session layer bad user backup data
B906600F	CryptoServer admin library Authentication / Session layer at least one user has been skipped
B9066010	CryptoServer admin library Authentication / Session layer long username not supported
B9066011	CryptoServer admin library Authentication / Session layer function not supported
B9066012	CryptoServer admin library Authentication / Session layer unknown hash algorithm
B9066013	CryptoServer admin library Authentication / Session layer only CRT sign supported
B9066014	CryptoServer admin library Authentication / Session layer illegal SM mechanism

Code	Description
B9066015	CryptoServer admin library Authentication / Session layer error decrypting session key
B9066016	CryptoServer admin library Authentication / Session layer buffer too small for signature
B9066017	CryptoServer admin library Authentication / Session layer too many concurrent SC authentications
B9066018	CryptoServer admin library Authentication / Session layer no public key found on smartcard
B9066019	CryptoServer admin library Authentication / Session layer illegal SM mode
B906601A	CryptoServer admin library Authentication / Session layer CryptoServer's signature could not be verified
B906601B	CryptoServer admin library Authentication / Session layer illegal format in auth keys file
B906601C	CryptoServer admin library Authentication / Session layer auth keys file does not contain key for this CryptoServer
B906601D	CryptoServer admin library Authentication / Session layer HSM auth key type not supported
B906601E	CryptoServer admin library Authentication / Session layer HSM auth key mode not supported

Code	Description
B9067xxx	CryptoServer admin library CSL Command Interface
B9067001	CryptoServer admin library CSL Command Interface invalid record length returned
B9067002	CryptoServer admin library CSL Command Interface memory allocation error
B9067003	CryptoServer admin library CSL Command Interface invalid data length returned
B9067004	CryptoServer admin library CSL Command Interface password encryption failed
B9067005	CryptoServer admin library CSL Command Interface invalid parameter
B9067006	CryptoServer admin library CSL Command Interface buffer size too small
B9067007	CryptoServer admin library CSL Command Interface invalid answer data
B9068xxx	CryptoServer admin library PKG Command Interface
B9068001	CryptoServer admin library PKG Command Interface accessing directory failed
B9068002	CryptoServer admin library PKG Command Interface filename too long

Code	Description
B9068003	CryptoServer admin library PKG Command Interface open file failed
B9068004	CryptoServer admin library PKG Command Interface read file failed
B9068005	CryptoServer admin library PKG Command Interface write file failed/
B9068006	CryptoServer admin library PKG Command Interface memory allocation failed
B9068007	CryptoServer admin library PKG Command Interface directory contains no files
B9068008	CryptoServer admin library PKG Command Interface invalid package file
B9068009	CryptoServer admin library PKG Command Interface invalid package name
B906800A	CryptoServer admin library PKG Command Interface directory already exist
B906800B	CryptoServer admin library PKG Command Interface creating directory failed
B906800C	CryptoServer admin library PKG Command Interface Invalid parameter

Code	Description
B906800D	CryptoServer admin library PKG Command Interface No key specifier given
B906800E	CryptoServer admin library PKG Command Interface Invalid SingedLicenseFile name
B9068010	CryptoServer admin library PKG Command Interface Possible loop in state machine detected
B9068011	CryptoServer admin library PKG Command Interface Load file failed
B9068012	CryptoServer admin library PKG Command Interface different module names with the same id /abbrev - config mismatch
B9068013	CryptoServer admin library PKG Command Interface could not start firmware module(s)
B9068014	CryptoServer admin library PKG Command Interface CryptoServer firmware module(s) differs from archive content
B9068015	CryptoServer admin library PKG Command Interface Given flag forbids to perform a BLClear
B9068016	CryptoServer admin library PKG Command Interface base firmware is missing / incomplete
B9068017	CryptoServer admin library PKG Command Interface firmware module not contained in archive

Code	Description
B9068018	CryptoServer admin library PKG Command Interface firmware module is contained in archive but with different CPU type
B9068019	CryptoServer admin library PKG Command Interface CryptoServer in alarm state
B906801A	CryptoServer admin library PKG Command Interface cryptoserver remains in an undefined state
B906801B	CryptoServer admin library PKG Command Interface creating temporary directory failed
B906801C	CryptoServer admin library PKG Command Interface old CryptoServer SDK version not supported
B906801D	CryptoServer admin library PKG Command Interface verification of firmware package failed
B9068020	CryptoServer admin library PKG Command Interface bad auth/sm parameter
B9068021	CryptoServer admin library PKG Command Interface bad session
B9068022	CryptoServer admin library PKG Command Interface illegal flag parameter
B9068023	CryptoServer admin library PKG Command Interface package loader <=> CryptoServer model mismatch

Code	Description
B9069xxx	CryptoServer admin library MBK tools
B9069001	CryptoServer admin library MBK tools bad pkcs1 format
B9069002	CryptoServer admin library MBK tools buffer size too small
B9069003	CryptoServer admin library MBK tools invalid response length
B9069004	CryptoServer admin library MBK tools memory allocation failed
B9069005	CryptoServer admin library MBK tools unable to open file
B9069006	CryptoServer admin library MBK tools invalid file format
B9069007	CryptoServer admin library MBK tools invalid parameter
B9069008	CryptoServer admin library MBK tools aborted by user
B9069009	CryptoServer admin library MBK tools invalid answer data

Code	Description
B906900A	CryptoServer admin library MBK tools invalid key length
B906900B	CryptoServer admin library MBK tools no password given
B906900C	CryptoServer admin library MBK tools no session
B9069010	CryptoServer admin library MBK tools smartcard responds error
B9069011	CryptoServer admin library MBK tools record not found
B9069012	CryptoServer admin library MBK tools file not found
B9069013	CryptoServer admin library MBK tools access denied
B9069014	CryptoServer admin library MBK tools secure messaging failed
B9069015	CryptoServer admin library MBK tools invalid record length
B9069016	CryptoServer admin library MBK tools password verification failed

Code	Description
B9069017	CryptoServer admin library MBK tools smartcard is locked
B9069018	CryptoServer admin library MBK tools bad pin repetition
B9069019	CryptoServer admin library MBK tools null pin still active
B906902x	CryptoServer admin library invalid pin
B906Axxx	CryptoServer admin library cs2adm smartcard tools
B906A001	CryptoServer admin library cs2adm smartcard tools memory allocation failed
B906A002	CryptoServer admin library cs2adm smartcard tools bad device name
B906A003	CryptoServer admin library cs2adm smartcard tools too many open handles
B906A004	CryptoServer admin library cs2adm smartcard tools requested smc_id already in use
B906A005	CryptoServer admin library cs2adm smartcard tools channel is not open
B906A006	CryptoServer admin library cs2adm smartcard tools invalid data length

Code	Description
B906A007	CryptoServer admin library cs2adm smartcard tools buffer size too small
B906A008	CryptoServer admin library cs2adm smartcard tools smartcard is locked
B906A009	CryptoServer admin library cs2adm smartcard tools bad response from smartcard
B906A00A	CryptoServer admin library cs2adm smartcard tools unknown smartcard
B906A00B	CryptoServer admin library cs2adm smartcard tools function not supported for given cardtype
B906A00C	CryptoServer admin library cs2adm smartcard tools function not supported for given cardtype
B906A00D	CryptoServer admin library cs2adm smartcard tools bad parameter given
B906A00E	CryptoServer admin library cs2adm smartcard tools login condition for this function not supplied
B906A00F	CryptoServer admin library cs2adm smartcard tools keylength not suitable for given card
B906A010	CryptoServer admin library cs2adm smartcard tools invalid PIN length

Code	Description
B906A011	CryptoServer admin library cs2adm smartcard tools PIN file doesn't exist
B906A012	CryptoServer admin library cs2adm smartcard tools Null-PIN is still active
B906A01C	CryptoServer admin library cs2adm smartcard tools PIN is invalid, no tries left
B906A01D	CryptoServer admin library cs2adm smartcard tools PIN is invalid, 1 try left
B906A01E	CryptoServer admin library cs2adm smartcard tools PIN is invalid, 2 tries left
B906A01F	CryptoServer admin library cs2adm smartcard tools PIN is invalid, 3 or more tries left
B906A020	CryptoServer admin library cs2adm smartcard tools bad data from backup card
B906A021	CryptoServer admin library cs2adm smartcard tools more keyhalfs given than existing
B906A022	CryptoServer admin library cs2adm smartcard tools bad data structure on Siemens CardOS card
B906Bxxx	CryptoServer admin library NTP Module Command Interface

Code	Description
B906B001	CryptoServer admin library NTP Module Command Interface invalid Parameter
B906B002	CryptoServer admin library NTP Module Command Interface wrong response length from CS2
B906B003	CryptoServer admin library NTP Module Command Interface unable to convert time
B906C001	CryptoServer admin library NTP Module Command Interface there are no database entries in the given file
B906Fxxx	CryptoServer admin library Clone Database Command Interface
B906F002	CryptoServer admin library Clone Database Command Interface incorrect structure of backup file
B906F003	CryptoServer admin library Clone Database Command Interface unable to open backup file
B906F004	CryptoServer admin library Clone Database Command Interface memory allocation failed
B906F005	CryptoServer admin library Clone Database Command Interface incorrect length of backup file
B906F006	CryptoServer admin library Clone Database Command Interface cannot find search_key1

Code	Description
B906F007	CryptoServer admin library Clone Database Command Interface cannot find search_key2
B906F008	CryptoServer admin library Clone Database Command Interface invalid length of snippet

B908xxxx – LCD Display module

Code	Description
B9080001	LCD Display module string too long
B9080002	LCD Display module Cannot open another display
B9080003	LCD Display module timeout reached
B9080004	LCD Display module memory allocation failed
B9080005	LCD Display module display not open
B9080006	LCD Display module dsp_getexp cancelled
B9080007	LCD Display module parameter out of range

B90Axxxx – CSLAN

Code	Description
B90A01xx	CSLAN CSLAN Control Module
B90A0101	CSLAN CSLAN Control Module wrong parameter
B90A0102	CSLAN CSLAN Control Module system call failure
B90A0103	CSLAN CSLAN Control Module wrong permission for file operations
B90A0104	CSLAN CSLAN Control Module no relation between port and cs device
B90A0105	CSLAN CSLAN Control Module no such file
B90A0106	CSLAN CSLAN Control Module length mismatch for vchar parameter
B90A0107	CSLAN CSLAN Control Module operation aborted because cs has been reset
B90A0108	CSLAN CSLAN Control Module authentication failed
B90A0109	CSLAN CSLAN Control Module memory allocation failed

Code	Description
B90A010A	CSLAN CSLAN Control Module no serial number available
B90A010B	CSLAN CSLAN Control Module CryptoServer is locked
B90A010C	CSLAN CSLAN Control Module CryptoServer is already locked
B90A010D	CSLAN CSLAN Control Module CryptoServer lock denied (on loadbalancing ports)
B90A010E	CSLAN CSLAN Control Module No space left on device for this operation
B90A010F	CSLAN CSLAN Control Module Too many routes for the state device(s)
B90A0120	CSLAN CSLAN Control Module ksapi compatibility listener not found
B90A0121	CSLAN CSLAN Control Module nonexistent subfunction code
B90A0201	CSLAN CSLAN Control Module illegal configuration file
B90A0301	CSLAN CSLAN Control Module queue full

Code	Description
B90A0302	CSLAN CSLAN Control Module no cryptoserver online
B90A0303	CSLAN CSLAN Control Module mismatch between real packet length and data length
B90A0304	CSLAN CSLAN Control Module connection table full
B90A0305	CSLAN CSLAN Control Module ksapi compatibility mapping not found

B90Bxxxx – csadm Tool

Code	Description
B90B0001	csadm Tool memory allocation failed
B90B0002	csadm Tool NULL passphrase
B90B0003	csadm Tool passphrase repetition wrong
B90B0004	csadm Tool buffer size to small
B90B0005	csadm Tool command wrongly called
B90B0010	csadm Tool invalid number of arguments
B90B0011	csadm Tool invalid argument format
B90B0012	csadm Tool aborted by user
B90B0013	csadm Tool invalid argument length
B90B0014	csadm Tool invalid response length
B90B0015	csadm Tool invalid response data
B90B0020	csadm Tool invalid number of key parts

B90Cxxxx – CSXAPI

Code	Description
B90C0001	CSXAPI memory allocation failed
B90C0002	CSXAPI invalid data length
B90C0003	CSXAPI invalid response length
B90C0004	CSXAPI buffer size too small
B90C0005	CSXAPI invalid parameter value
B90C0006	CSXAPI maximum number of cached pins reached
B90C0007	CSXAPI invalid session
B90C01xx	CSXAPI Cluster API
B90C0101	CSXAPI Cluster API unable to open any device
B90C0102	CSXAPI Cluster API unable to logon to any device
B90C0103	CSXAPI Cluster API unable to execute command on any device
B90C0104	CSXAPI Cluster API unknown device name

Code	Description
B90C0105	CSXAPI Cluster API invalid connection parameter
B90C0106	CSXAPI Cluster API handle still in use
B90C1xxx	CSXAPI windows system error
B90C2xxx	CSXAPI unix system error

B90Dxxxx – ulog library

Code	Description
B90D0001	ulog library timeout reading socket
B90D1xxx	ulog library socket failed
B90D2xxx	ulog library bind failed
B90D3xxx	ulog library send failed
B90D4xxx	ulog library poll failed
B90D5xxx	ulog library recv failed

B90Exxxx – Simple Database library

Code	Description
B90E0001	Simple Database library memory allocation failed
B90E0002	Simple Database library database file does not exist
B90E0003	Simple Database library record not found
B90E0004	Simple Database library record already exists
B90E0005	Simple Database library corrupted database file
B90E0006	Simple Database library bad database handle
B90E0007	Simple Database library bad info structure
B90E0008	Simple Database library bad data length
B90E0009	Simple Database library locking failed
B90E000A	Simple Database library invalid file name
B90E1xxx	Simple Database library open failed
B90E2xxx	Simple Database library creat failed
B90E3xxx	Simple Database library lseek failed
B90E4xxx	Simple Database library read failed

Code	Description
B90E5xxx	Simple Database library write failed
B90E6xxx	Simple Database library creating mutex failed
B90E7xxx	Simple Database library locking mutex failed
B90E8xxx	Simple Database library locking file failed

B90Fxxxx – P11 admin library

Code	Description
B90F0001	P11 admin library memory allocation error
B90F0002	P11 admin library invalid parameter
B90F0003	P11 admin library insufficient buffer size
B90F0004	P11 admin library invalid key type
B90F0005	P11 admin library unable to open / create file
B90F0006	P11 admin library invalid mechanism
B90F0007	P11 admin library invalid key length
B90F1xxx	P11 admin library OpenSSL section
B90F2xxx	P11 admin library PKCS#11 section

B912xxxx – Host Service Daemon

Code	Description
B9120001	Host Service Daemon memory allocation error
B9120002	Host Service Daemon error on WSASStartup
B9120003	Host Service Daemon error on WSACleanup
B9120004	Host Service Daemon err creating mutex
B9120005	Host Service Daemon error creating socket
B9120006	Host Service Daemon socket creating error
B9120007	Host Service Daemon timeout
B9120008	Host Service Daemon connection was terminated
B9120009	Host Service Daemon invalid cmds data length
B912000A	Host Service Daemon invalid cmds header length
B912000B	Host Service Daemon invalid argument
B912000C	Host Service Daemon binding socket failed
B912000D	Host Service Daemon listen failed
B912000E	Host Service Daemon setsockopt failed

Code	Description
B912000F	Host Service Daemon bad configuration
B9120010	Host Service Daemon protocol error
B9120011	Host Service Daemon unable to load auxiliary library
B9120012	Host Service Daemon unable to create mutex
B9120013	Host Service Daemon unable to lock mutex
B9120014	Host Service Daemon unable to unlock mutex
B9120015	Host Service Daemon timeout while trying to lock mutex
B9121xxx	Host Service Daemon select error
B9122xxx	Host Service Daemon receive error
B9123xxx	Host Service Daemon send error
B9124xxx	Host Service Daemon control module
B9124001	Host Service Daemon control module wrong subfunction code
B9124002	Host Service Daemon control module bad control command
B9124003	Host Service Daemon control module authentication failed

Code	Description
B9124004	Host Service Daemon
	control module
	bad CryptoServer answer
B9125xxx	Host Service Daemon
	init failed

B915xxxx – dsp_admin3 - DSP Daemon on CSLAN

Code	Description
B9150001	dsp_admin3 - DSP Daemon on CSLAN wrong parameter or parameter usage
B9150002	dsp_admin3 - DSP Daemon on CSLAN some of the manyfold time conversions failed (w/o userinteraction)
B9150003	dsp_admin3 - DSP Daemon on CSLAN some of the manyfold time conversions failed (w/ userinteraction)
B9150004	dsp_admin3 - DSP Daemon on CSLAN some provided buffer was too small
B9150042	dsp_admin3 - DSP Daemon on CSLAN some data struct could not be parsed internally
B91501xx	dsp_admin3 - DSP Daemon on CSLAN CryptoServer Administration section
B9150101	dsp_admin3 - DSP Daemon on CSLAN CryptoServer Administration section No Alarm prevailing
B9150102	dsp_admin3 - DSP Daemon on CSLAN CryptoServer Administration section Function not available in FIPS mode
B91502xx	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration section
B91503xx	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update
B9150300	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update CSLAN Administration - Update - calcbase
B9150301	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update Extraction of archive failed

Code	Description
B9150302	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update Not a CSLAN OS archive file.
B9150303	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update Did not find expected indicator in archive.
B9150304	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update Wrong/missing <partition> argument
B9150305	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update Can't mount user1/user2
B9150306	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update Could not touch INIT-COPY-CONFIG ActionFile
B9150307	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update Post update script returned error
B915037F	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update sh could not be executed
B91503FF	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - Update file was no .tar.gz (old msg)
B91504xx	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - ActionFiles
B9150400	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - ActionFiles CSLAN Administration - ActionFiles - calcbase

Code	Description
B9150401	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - ActionFiles Wrong/missing <command> argument
B9150402	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - ActionFiles Wrong/missing <ActionFile> argument
B9150403	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - ActionFiles Wrong/missing <partition> argument
B9150404	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - ActionFiles prevailing actionFile
B9150405	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - ActionFiles can't mount target user1/user2
B915047F	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - ActionFiles sh could not be executed
B91505xx	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - SNMP
B9150500	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - SNMP CSLAN Administration - SNMP - calcbase
B9150501	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - SNMP Wrong/missing <command> argument
B9150502	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - SNMP Failed to write /etc/sysconfig/snmpd

Code	Description
B9150503	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - SNMP Failed to write /etc/sysconfig/trapd
B9150504	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - SNMP Failed to write /etc/snmp/snmpd.conf
B915057F	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - SNMP sh could not be executed
B91505FF	dsp_admin3 - DSP Daemon on CSLAN CSLAN Administration - SNMP fork(2) failed
B91506xx	dsp_admin3 - DSP Daemon on CSLAN Error Code from Linux:

B916xxxx – Host API CTS - Crypto Timestamp

Code	Description
B9164001	Host API CTS - Crypto Timestamp Environment variable CRYPTOSERVER not set
B9164002	Host API CTS - Crypto Timestamp Environment variable CRYPTOSERVER not configured for TCP
B9164003	Host API CTS - Crypto Timestamp Incorrect function arguments given
B9164004	Host API CTS - Crypto Timestamp Error occurred while encoding the timestamp request
B9164005	Host API CTS - Crypto Timestamp Given input buffer is too small to copy encoded data
B9164006	Host API CTS - Crypto Timestamp Incorrect data received from TimestampServer
B9164007	Host API CTS - Crypto Timestamp Error returned from the TimestampServer
B9164008	Host API CTS - Crypto Timestamp Cannot open file
B9164009	Host API CTS - Crypto Timestamp given data is not pkcs7 encoded
B916400A	Host API CTS - Crypto Timestamp only signed and signedAndEnveloped PKCS7 types supported
B916400B	Host API CTS - Crypto Timestamp given data contains more than one certificate
B916400C	Host API CTS - Crypto Timestamp given data contains no certificate
B916400D	Host API CTS - Crypto Timestamp given data contains no plain certificate
B916400E	Host API CTS - Crypto Timestamp Given TimeStamp structure is not a valid ASN.1 format

Code	Description
B916400F	Host API CTS - Crypto Timestamp Unsupported hash algorithm
B9164010	Host API CTS - Crypto Timestamp Calculated hash value does not match with the hash value contained in the TimeStamp
B9164011	Host API CTS - Crypto Timestamp given memory buffer too small or invalid length returned from the CSLAN
B9164012	Host API CTS - Crypto Timestamp can't allocate memory
B9164013	Host API CTS - Crypto Timestamp Error while reading/writing PKCS7 data
B9164014	Host API CTS - Crypto Timestamp Given timestamp contains no timestamp token (maybe error in request?)
B9164015	Host API CTS - Crypto Timestamp invalid hash length
B9164016	Host API CTS - Crypto Timestamp invalid http response
B9164100	Host API CTS - Crypto Timestamp tcp: init error
B9164101	Host API CTS - Crypto Timestamp tcp: incorrect IP address
B9164102	Host API CTS - Crypto Timestamp tcp: incorrect hostname
B9164103	Host API CTS - Crypto Timestamp tcp: incorrect port number
B9164104	Host API CTS - Crypto Timestamp tcp: connection timeout
B9164105	Host API CTS - Crypto Timestamp tcp: connection closed by remote host
B91642xx	Host API CTS - Crypto Timestamp tcp: can't create socket

Code	Description
B91643xx	Host API CTS - Crypto Timestamp tcp: can't get connection
B91644xx	Host API CTS - Crypto Timestamp tcp: recv error
B91645xx	Host API CTS - Crypto Timestamp tcp: send error
B91646xx	Host API CTS - Crypto Timestamp tcp: select error
B9164800	Host API CTS - Crypto Timestamp tcp: select error HTTP error
B9164990	Host API CTS - Crypto Timestamp tcp: select error HTTP error 400: Bad Request
B9164993	Host API CTS - Crypto Timestamp tcp: select error HTTP error 403: Forbidden
B9164994	Host API CTS - Crypto Timestamp tcp: select error HTTP error 404: Not Found
B9164995	Host API CTS - Crypto Timestamp tcp: select error HTTP error 405: Method not allowed
B91649F4	Host API CTS - Crypto Timestamp tcp: select error HTTP error 500: Server error
B91649F7	Host API CTS - Crypto Timestamp tcp: select error HTTP error 503: Service unavailable

B917xxxx – CryptoServer Protocol Daemon

Code	Description
B9170001	CryptoServer Protocol Daemon memory allocation error
B9170002	CryptoServer Protocol Daemon invalid parameter
B9170003	CryptoServer Protocol Daemon bad configuration
B9170004	CryptoServer Protocol Daemon can't open any device
B9170005	CryptoServer Protocol Daemon timeout
B9170006	CryptoServer Protocol Daemon connection was terminated
B9170007	CryptoServer Protocol Daemon invalid command data length
B9170008	CryptoServer Protocol Daemon protocol error
B9170009	CryptoServer Protocol Daemon maximum number of connections reached
B917000A	CryptoServer Protocol Daemon can't open file
B917000B	CryptoServer Protocol Daemon buffer size too small
B917001x	CryptoServer Protocol Daemon mutex section
B9170012	CryptoServer Protocol Daemon mutex section unable to create mutex

Code	Description
B9170013	CryptoServer Protocol Daemon mutex section timeout while trying to lock mutex
B9170014	CryptoServer Protocol Daemon mutex section unable to lock mutex
B9170015	CryptoServer Protocol Daemon mutex section attempt to lock mutex timed out
B9170016	CryptoServer Protocol Daemon mutex section unable to unlock mutex
B917002x	CryptoServer Protocol Daemon control module
B9170021	CryptoServer Protocol Daemon control module wrong subfunction code
B9170022	CryptoServer Protocol Daemon control module bad control command
B9170023	CryptoServer Protocol Daemon control module authentication failed
B9170024	CryptoServer Protocol Daemon control module bad CryptoServer answer
B9170025	CryptoServer Protocol Daemon control module invalid parameter
B9171xxx	CryptoServer Protocol Daemon TCP error

Code	Description
B9172xxx	CryptoServer Protocol Daemon system error

B918xxxx – CryptoServer Protocol Daemon

Code	Description
B9180001	CryptoServer Protocol Daemon memory allocation error
B9180002	CryptoServer Protocol Daemon invalid parameter
B9180003	CryptoServer Protocol Daemon bad configuration
B9180004	CryptoServer Protocol Daemon can't open any device
B9180005	CryptoServer Protocol Daemon timeout
B9180006	CryptoServer Protocol Daemon connection was terminated
B9180007	CryptoServer Protocol Daemon invalid command data length
B9180008	CryptoServer Protocol Daemon protocol error
B9180009	CryptoServer Protocol Daemon maximum number of connections reached
B918000A	CryptoServer Protocol Daemon can't open file
B918000B	CryptoServer Protocol Daemon buffer size too small
B918000C	CryptoServer Protocol Daemon authentication failed
B9180010	CryptoServer Protocol Daemon invalid command length
B9180011	CryptoServer Protocol Daemon invalid function code

Code	Description
B9180012	CryptoServer Protocol Daemon invalid sub-function code
B918002x	CryptoServer Protocol Daemon mutex section
B9180022	CryptoServer Protocol Daemon mutex section unable to create mutex
B9180023	CryptoServer Protocol Daemon mutex section timeout while trying to lock mutex
B9180024	CryptoServer Protocol Daemon mutex section unable to lock mutex
B9180025	CryptoServer Protocol Daemon mutex section attempt to lock mutex timed out
B9180026	CryptoServer Protocol Daemon mutex section unable to unlock mutex
B9181xxx	CryptoServer Protocol Daemon TCP error
B9182xxx	CryptoServer Protocol Daemon system error

B91Cxxxx – CryptoServer PKCS11 API

Code	Description
B91C0000	CryptoServer PKCS11 API CryptoServer command size exceeded
B91C0001	CryptoServer PKCS11 API Unknown authentication method
B91C0002	CryptoServer PKCS11 API Invalid authentication credentials
B91C0003	CryptoServer PKCS11 API Unknown hash algorithm
B91C0004	CryptoServer PKCS11 API Malformed answer of CryptoServer
B91C0005	CryptoServer PKCS11 API Number of login strings < 2
B91C0006	CryptoServer PKCS11 API Login string too long
B91C0007	CryptoServer PKCS11 API Invalid login string
B91C0008	CryptoServer PKCS11 API CryptoServer handle lost

B91Dxxxx – PIN pad API

Code	Description
B91D0001	PIN pad API memory allocation failed
B91D0002	PIN pad API invalid PIN pad type
B91D0003	PIN pad API no device found
B91D0004	PIN pad API bad device name
B91D0005	PIN pad API too may open connections
B91D0006	PIN pad API bad handle
B91D0007	PIN pad API invalid parameter
B91D0008	PIN pad API requested feature is not supported
B91D0009	PIN pad API connection is not open
B91D000A	PIN pad API timeout occurred
B91D000B	PIN pad API action canceled
B91D000C	PIN pad API invalid data length
B91D000D	PIN pad API bad PIN repetition
B91D000E	PIN pad API invalid buffer size

Code	Description
B91D000F	PIN pad API protocol error
B91D0010	PIN pad API bad ICC state
B91D0011	PIN pad API bad data length returned from ICC
B91D0012	PIN pad API bad response recieved from ICC
B91D0013	PIN pad API no smartcard inserted
B91D0020	PIN pad API USB driver is not running
B91D0021	PIN pad API USB open failed
B91D0022	PIN pad API USB write failed
B91D0023	PIN pad API USB read failed
B91D0024	PIN pad API USB is not available
B91D0030	PIN pad API bad input
B91D0031	PIN pad API access denied
B91D0032	PIN pad API no reader connected
B91D0041	PIN pad API JCOP simulator send/receive timeout
B91D0044	PIN pad API JCOP simulator unknown error

Code	Description
B91D1xxx	PIN pad API PC/SC
B91D2xxx	PIN pad API MKT
B91D3xxx	PIN pad API CP8
B91D4xxx	PIN pad API ACR80
B91D5xxx	PIN pad API USB
B91D6xxx	PIN pad API CCID
B91D7xxx	PIN pad API cyberJack
B91D8xxx	PIN pad API JCOP

B91Exxxx – copa Config Parser

Code	Description
B91E0000	copa Config Parser Cant open/access configuration file
B91E0100	copa Config Parser line from input file to long
B91E0101	copa Config Parser No matching] found
B91E0102	copa Config Parser No = after variable found
B91E0103	copa Config Parser No value for variable after = found
B91E0104	copa Config Parser No Matching ör' found
B91E0105	copa Config Parser No valid Hex Number after \$
B91E0106	copa Config Parser not all hex codes are two byte
B91E0107	copa Config Parser No Value in List found
B91E0108	copa Config Parser second char after \$ is no valid hex value
B91E0109	copa Config Parser One of the list elements it not in the config file
B91E0110	copa Config Parser One of the config file elements it not in the list
B91E0111	copa Config Parser Value is not a Boolean value
B91E0112	copa Config Parser Value is not an Integer number

Code	Description
B91E0113	copa Config Parser Char in String is non printable
B91E0114	copa Config Parser strol returns long, the result does not fit in int
B91E0115	copa Config Parser strol returns variable is out of range

B920xxxx – CryptoServer Core API Cxi

Code	Description
B9200001	CryptoServer Core API Cxi memory allocation failed
B9200002	CryptoServer Core API Cxi invalid parameter
B9200003	CryptoServer Core API Cxi invalid parameter length
B9200004	CryptoServer Core API Cxi parameter out of range
B9200005	CryptoServer Core API Cxi buffer size too small
B9200006	CryptoServer Core API Cxi invalid answer length
B9200007	CryptoServer Core API Cxi invalid format of answer data
B9200008	CryptoServer Core API Cxi unterminated string
B9200009	CryptoServer Core API Cxi string conversion failed
B920000A	CryptoServer Core API Cxi object/item not found
B920000B	CryptoServer Core API Cxi compare failed
B920000C	CryptoServer Core API Cxi invalid algorithm
B920000D	CryptoServer Core API Cxi invalid state
B920000E	CryptoServer Core API Cxi file error

Code	Description
B920000F	CryptoServer Core API Cxi user does not exist
B9200010	CryptoServer Core API Cxi operation not supported
B9200011	CryptoServer Core API Cxi invalid key
B9200012	CryptoServer Core API Cxi I/O error
B9200013	CryptoServer Core API Cxi log access error
B9200014	CryptoServer Core API Cxi database access error
B9200015	CryptoServer Core API Cxi invalid ASN.1 format
B9200016	CryptoServer Core API Cxi memory corruption
B9200017	CryptoServer Core API Cxi invalid number of mechs
B9201xxx	CryptoServer Core API Cxi system error

B980xxxx – java CryptoServer API

Code	Description
B9800001	java CryptoServer API Connection terminated by remote host
B9800002	java CryptoServer API Bad block length received
B9800003	java CryptoServer API Bad answer length
B9800004	java CryptoServer API Bad tag of answer block
B9800005	java CryptoServer API Too many authentications
B9800006	java CryptoServer API Bad length of password
B9800007	java CryptoServer API Can't translate user name
B9800008	java CryptoServer API Hash algo not available
B9800009	java CryptoServer API Could not get challenge
B980000A	java CryptoServer API JCE Provider not found
B980000B	java CryptoServer API JCE Key Exception (Jurisdiction files installed?)
B980000C	java CryptoServer API JCE Exception
B980000D	java CryptoServer API Secure Messaging failed
B980000E	java CryptoServer API Unknown SM mode

Code	Description
B980000F	java CryptoServer API Bad session key decryption
B9800010	java CryptoServer API JNI Interface Error
B9800011	java CryptoServer API Bad parameter
B9800012	java CryptoServer API Missung authentication
B9800013	java CryptoServer API Unsupported encoding
B9800014	java CryptoServer API Invalid data length
B9800015	java CryptoServer API Can't decrypt key file
B9800016	java CryptoServer API I/O Error
B9800017	java CryptoServer API No device specified
B9800018	java CryptoServer API Invalid authentication mechanism
B980002x	java CryptoServer API CryptoServer Cluster API
B9800021	java CryptoServer API CryptoServer Cluster API Unable to open any CryptoServer
B9800022	java CryptoServer API CryptoServer Cluster API Unable to logon to any CryptoServer
B9800023	java CryptoServer API CryptoServer Cluster API Unable to execute command on any CryptoServer

Code	Description
B98001xx	java CryptoServer API RSA Key class
B9800101	java CryptoServer API RSA Key class Malformed RSA Key file
B9800102	java CryptoServer API RSA Key class Decryption failed
B98002xx	java CryptoServer API CryptoServer Smartcard API
B9800200	java CryptoServer API CryptoServer Smartcard API Smartcard returned error status
B9800201	java CryptoServer API CryptoServer Smartcard API bad padding
B9800202	java CryptoServer API CryptoServer Smartcard API invalid specifier
B98003xx	java CryptoServer API CryptoServer Database API
B9800300	java CryptoServer API CryptoServer Database API JNI Interface Error

B981xxxx – Java CryptoServer API CXI

Code	Description
B9810000	Java CryptoServer API CXI invalid parameter
B9810001	Java CryptoServer API CXI bad key name
B9810002	Java CryptoServer API CXI key name required for internal storage
B9810003	Java CryptoServer API CXI internal charset converting error
B9810004	Java CryptoServer API CXI bad key token
B9810005	Java CryptoServer API CXI malformed answer block of CryptoServer
B9810006	Java CryptoServer API CXI bad key attributes from CryptoServer
B9810007	Java CryptoServer API CXI bad algorithm
B9810008	Java CryptoServer API CXI bad user name
B9810009	Java CryptoServer API CXI missing device entry
B981000A	Java CryptoServer API CXI key component not found
B981000B	Java CryptoServer API CXI key not found
B981000C	Java CryptoServer API CXI version of CryptoServerAPI too small
B981000D	Java CryptoServer API CXI no EC parameter data available

Code	Description
B981000E	Java CryptoServer API CXI no output IV available
B981000F	Java CryptoServer API CXI firmware version too small
B9810010	Java CryptoServer API CXI ASN.1 decoding error
B9810011	Java CryptoServer API CXI JCE AES decrypt error
B9810020	Java CryptoServer API CXI bad ECC parameter
B9810030	Java CryptoServer API CXI config item missing
B9810040	Java CryptoServer API CXI invalid data length
B9810050	Java CryptoServer API CXI invalid number of mechs

B982xxxx – Database API Java

Code	Description
B9820000	Database API Java
	JNI Interface Error

B983xxxx – PinPad API Java

Code	Description
B9830000	PinPad API Java
	JNI Interface Error
B9830001	PinPad API Java
	invalid specifier

B984xxxx – JCA/JCE provider

Code	Description
B9840002	JCA/JCE provider
	KeyStorePath

B985xxxx – CryptoServerAPI.NET

Code	Description
B9850001	CryptoServerAPI.NET Invalid parameter
B9850002	CryptoServerAPI.NET Invalid authentication mechanism
B985002x	CryptoServerAPI.NET CryptoServer Cluster API
B9850021	CryptoServerAPI.NET CryptoServer Cluster API Unable to open any CryptoServer
B9850022	CryptoServerAPI.NET CryptoServer Cluster API Unable to logon to any CryptoServer
B9850023	CryptoServerAPI.NET CryptoServer Cluster API Unable to execute command on any CryptoServer

B986xxxx – CryptoServer API CXI.NET

Code	Description
B9860000	CryptoServer API CXI.NET invalid parameter
B9860001	CryptoServer API CXI.NET memory allocation failed
B9860002	CryptoServer API CXI.NET invalid state
B9860005	CryptoServer API CXI.NET malformed answer block of CryptoServer
B986000B	CryptoServer API CXI.NET key not found
B986000E	CryptoServer API CXI.NET no output IV available
B9860030	CryptoServer API CXI.NET config item missing



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