DSAR IRAM Package Alpha Release 107_4_2

General

This IRAM package includes the following main features: Custom Classification (CC), Independent-Mode (IM), Host-Commands (HC) and Deep Sleep Auto Response (DSAR). For DSAR the following features are supported: ARP, ICMP, ND and SNMP. For more information see FMan-Controller RM chapter.

Availability

The package is currently available for the following devices.

Table 1. Package Availability by Device

Device	Version Number	Compiler version	Loader file name (.h .bin)
T1040 rev 1.0	107_4_2	—	t1040_r1.0.h fsl_fman_ucode_t1040_r1.0_107_4_2.bin

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Revision History

Table 2. Revision History for Alpha Release 107.4.2

Release Date: June 24, 2014	
New Features	None.
New Features (Not in spec)	None.
Spec Un-Supported Features	The following IP Acceleration features are not supported in this package: IP fragmentation, IP reassembly, Header Manipulation, Frame Replication. Please note that CC STD (statistics table descriptor) is supported.
Bug Fixes/CCB	Following Errata were fixed: DSAR6 **SNMP: Varbind with length field span between 256 bytes blocks cause varbind interpreted incorrectly.** DSAR7 **SNMP: SNMP: If the community string is larger than the remaining byte length next to the community string, community mismatch may occur even the string matches.** DSAR8 **SNMP: Community mismatch may occur if the community string is located across 256 bytes boundary of the frame.** DSAR9 **SNMP: Incorrect interpretation on length field if the length is 2-bytes (i.e. 256~65535) and located across 256 bytes boundary of the SNMP frame.**
Known Issues	None.
Restrictions	None.

Table 3. Revision History for Alpha Release 107.4.1

Release Date: May 13, 2014	
New Features	None.
New Features (Not in spec)	None.
Spec Un-Supported Features	The following IP Acceleration features are not supported in this package: IP fragmentation, IP reassembly, Header Manipulation, Frame Replication. Please note that CC STD (statistics table descriptor) is supported.

Release Date: May 13, 2014	
Bug Fixes/CCB	Following Errata were fixed: DSAR1:**SNMP: Intermittent incorrect UDP checksum on response packet.** DSAR2:**SNMP: The beginning of the frame is corrupted for the NOSUCHNAME response** DSAR3:**SNMP: The UDP checksum of the NOSUCHNAME response is not correct if response frame size exceed 256 bytes.** DSAR4:**SNMP: The Active Mode Hardware Parser NIA is not invoked for the case of set-request message is received.** DSAR5:**VLAN tagged frames are not matched correctly in the IP address tables. Frames with VLAN tags are considered mismatch in the IP/VLAN matching.**
Known Issues	None.
Restrictions	None.

Table 4. Revision History for Alpha Release 107.4.0

Release Date: March 30, 2014	
New Features	Deep Sleep Auto-Response: ARP, ICMP, ND and SNMP. Also provide AR Pass filter.
New Features for B4860/T4240	See above.
New Features (Not in spec)	None.
Spec Un-Supported Features	The following IP Acceleration features are not supported in this package: IP fragmentation, IP reassembly, Header Manipulation, Frame Replication. Please note that CC STD (statistics table descriptor) is supported.
Bug Fixes/CCB	None.
Known Issues	None.
Restrictions	None.

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