



Datasol (B) Pvt. Ltd.

"BILL OF MATERIAL"

"cPCI BASED ADVANCED LAUNCH COMPUTER & rKVM "

Project No:	DBPL-cPCI-ALC-21-00
Doc. No.	DBPL-SI-21-7203-06-EBOM
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FOR

" cPCI BASED ADVANCED LAUNCH COMPUTER & rKVM"

(P.O No: ASL/DA1P/RCI/R/DA1P/0213/20/4009/4002)

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SECTION A: rKVM

A1: COTS PRODUCTS BOM						
S. NO	PART NO	DESCRIPTION	QTY /UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	G185HAN01.0	18.5” Display with AD board Resolution supports up to 1920*1080, 350nits Brightness. 89/89/89/89 Viewing angle	1	20	-20° to +70°C	ELGENS
2	EKSB-97-TP	Keyboard With integrate Touch pad	1	20	-40° to +70°C	IKEY
3	EF-1B006B02E-C02	EMI-RFI Filter	1	20	-25° to +85°C	ELCOM
4	LFA75F-12	AC to DC Power supply	1	20	-10° to +70°C	COSEL

A2: MISCELLENEOUS COMPONENTS BOM						
S. NO	PART NO	DESCRIPTION	QTY /UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	MP0045/1E2/BL/012	ON /OFF Switch With Blue LED indication	1	20	-20° to +55°C	BULGIN
2	DBPL-HMKP-01	Horizontal Membrane Keypad	1	20	-	GVS ELECTRONICS
3	620004113322	Headers & Wire Housings WR-WTB 2mm Female 4Pin Terminal Hsng	1	20	-25° to +85°C	Würth Elektronik
4	62000113722DEC	CONN SOCKET 24-30AWG CRIMP TIN	4	80	-25° to +85°C	Würth Elektronik
5	-	ISO mark 3-Pin power socket	1	20	-	Anchor

A3: MIL-CIRCULAR CONNECTORS BOM						
S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	MS3102R-10SL-3P	Power Circular connector	1	20	-55° to +125°C	AMPHENOL
2	MS3106F-10SL-3S	Power Circular matting	1	20	-55° to +125°C	AMPHENOL

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A4: OUTSOURCED & FASTENERS BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	HG-TA45HR	TORQUE HINGES	2	40	-	SUGASTANE
2	2807-16	ACCURIDE SLIDES	1 SET	20 SETS	-	ACCURIDE
3	1241494	M6 HEX NUT	2	40	-	LPS
4	1099183	M6 WING NUT	1	20	-	LPS
5	1246739	M3x8 SLOTTED CSK SCREW	64	1280	-	LPS
6	1246836	M4x12 SLOTTED HEAD CSK SCREW	4	80	-	LPS
7	1246763	M3x14 SLOTTED HEAD CSK SCREW	12	240	-	LPS
8	1246046	M3x12 SLOTTED PAN HEAD SCREW	4	80	-	LPS
9	1253565	M3 SPRING WASHER	4	80	-	LPS
10	1253190	M3 PLAIN WASHER	4	80	-	LPS
11	1241443	M3 HEX NUT	4	80	-	LPS
12	1246003	M3x6 SLOTTED PAN HEAD SCREW	8	160	-	LPS
13	1241478	M4 HEX NUT	2	40	-	LPS
14	1073028	M2.5x6 SLOTTED PAN HEAD SCREW	4	80	-	LPS
15	1233262	M5x8 SCOKET HEAD SCREWS	8	160	-	LPS
16	1233106	M3x6 SOCKET HEAD SCREWS	4	80	-	LPS
17	1111353	M4x14 SOCKET HEAD SCREW	2	40	-	LPS
18	1246089	M4x8 SLOTTED PAN HEAD SCREW	12	240	-	LPS
19	1233181	M4x8 SOCKET HEAD SCREWS	4	80	-	LPS

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A5: MECHANICAL PARTS BOM

S. NO	DRAWING NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	DBPL-ARKVM-PD-01	ASL RKVM BOTTOM HOUSING	1	20	-	DATASOL
2	DBPL-ARKVM-PD-02	ASL RKVM DISPLAY BEZEL	1	20	-	DATASOL
3	DBPL-ARKVM-PD-03	ASL RKVM KRYBOARD PLATE	1	20	-	DATASOL
4	DBPL-ARKVM-PD-04	DISPLAY COVER FOR ASL RKVM	1	20	-	DATASOL
5	DBPL-ARKVM-PD-05	FRONT PLATE FOR ASL RKVM	1	20	-	DATASOL
6	DBPL-ARKVM-PD-06	HANDLE P40xM4	2	40	-	DATASOL
7	DBPL-ARKVM-PD-07	LIFTING HANDLE	1	20	-	DATASOL
8	DBPL-ARKVM-PD-08	DISLPAY RHS SIDE FLANGE	1	20	-	DATASOL
9	DBPL-ARKVM-PD-09	DISPLAY LHS SIDE FLANGE	1	20	-	DATASOL
10	DBPL-ARKVM-PD-10	DISPLAY SUPPORT CLAMP	1	20	-	DATASOL
11	DBPL-ARKVM-PD-11	DISPLAY SUPPORT CLAMP2	1	20	-	DATASOL
12	DBPL-ARKVM-PD-12	HINGES SCREWS CLOSING BLOCK	1	20	-	DATASOL
13	DBPL-ARKVM-PD-13	HINGES SCREWS CLOSING BLOCK2	1	20	-	DATASOL
14	DBPL-ARKVM-PD-14	KEYBOARD CLOSING PLATE	1	20	-	DATASOL
15	DBPL-ARKVM-PD-15	EMI SHIELDING WINDOWS	1	20	-	DATASOL
16	DBPL-ARKVM-PD-16	HINGES BLOCK FOR ASL RKVM	2	40	-	DATASOL

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SECTION B: cPCI BASED ADVANCED LAUNCH COMPUTER

B1: COTS PRODUCTS BOM

S. NO	PART NO	DESCRIPTION	QTY /UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	cPCI-3510BLD/5700E/M8	2-slot (8HP) 3U CompactPCI blade with Intel® Core i7-5700EQ CPU and 8GB DDR3L-1333 ECC-soldered memory,DVI,2x GbE,1x USB 3.0, COM, 2xUSB 2.0, PS/2 KB/MS, Line-in, Line-out, CFast socket and SATA connector, -20C to +70C operation	1	20	-20° to +70°C	ADLINK
2	cPCI-R3P00	8 HP Rear I/O module for cPCI-3970 with GbE x2,COM x2, USB x2, SATA x3, VGA, 50mm depth	1	20	-20° to +70°C	ADLINK
3	cBP-3206	6 slots cPCI Backplane	1	20	-10° to +70°C	ADLINK
4	cBP-3061	cPCI power supply Backplane	1	20	-10° to +70°C	ADLINK
5	cPS-H325/AC	cPCI Power Supply: 3U height: 250W cPCI Plug-in PSU	1	20	-40° to +70°C	ADLINK
6	DGS25-01TD81BWAQC-J27	1TB 2.5" SATA III MLC SSD 3MG2-P WT	1	20	-40° to +85°C	INNODISK
7	80207-0	3U compact PCI carrier card for XMC PCI Express modules, 64-bit PCI. Support for PXI clock and trigger features (logic dependent)	1	20	-20° to +70°C	MOLEX
8	X3N1050TI-LFAB-DVI-B	NVIDIA GTX1050TI XMC 4GB 128bit/GDDR5 4*DVI, Air-cooled 60W768 CUDA Extended Temp: -20~+70degC	1	20	-20° to +85°C	AETINA

B2: MISCELLENEANEOUS COMPONENTS BOM

S. NO	PART NO	DESCRIPTION	QTY /UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	MP0045/1E2/BL/012	ON /OFF Switch With Blue LED indication	1	20	-20° to +55°C	BULGIN

B3: SOFTWARE BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	RH0958488	RHEL 7.5 or Higher Workstation with media	-	2	-	EGLOBE
2	NA	Linux Drivers Software & Sample test programs for all resources	-	1	-	DATASOL

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B4: OUTSOURCED & FASTENERS BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	66-678-23	STANDARD EXTRUSION	4	80	-	ELMA
2	66-144-23	STANDARD EXTRUSION	2	40	-	ELMA
3	66-138-23	STANDARD EXTRUSION	2	40	-	ELMA
4	61-950-01	CARD GUIDE	14	280	-	ELMA
5	47-92-121-20	M3 CAPTIVE SCREW	4	80	-	SOUTCO
6	MF60151V3-1000U-A99	FAN 60x60	4	80	-	SUNON
7	FG-6	FAN FINGER GUARD 60x60	4	80	-	SUNON
8	FN9266B-6-06	AC POWER ENTRY MODULE	1	20	-	SCHAFFNER
9	1073036	M2.5x8 SLOTTED PAN HEAD SCREW	20	400	-	LPS
10	1246739	M3x8 SLOTTED HEAD CSK SCREW	46	920	-	LPS
11	1246755	M3x12 SLOTTED HEAD CSK SCREW	16	320	-	LPS
12	1246836	M4x12 SLOTTED HEAD CSK SCREW	4	80	-	LPS
13	1246801	M4x8 SLOTTED HEAD CSK SCREW	6	120	-	LPS
14	1246828	M4x10 SLOTTED HEAD CSK SCREW	32	640	-	LPS
15	1246879	M4x25 SLOTTED HEAD CSK SCREW	16	320	-	LPS
16	1241478	M4 HEX NUT	16	320	-	LPS
17	1241494	M6 HEX NUT	2	40	-	LPS
18	1099183	M6 WING NUT	1	20	-	LPS

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B5: MECHANICAL PARTS BOM


S. NO	DRAWING NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	DBPL-ACPCI-PD-01	BOTTOM PLATE FOR ASL cPCI	1	20	-	DATASOL
2	DBPL-ACPCI-PD-02	DOOR FOR ASL cPCI	1	20	-	DATASOL
3	DBPL-ACPCI-PD-03	FRONT PLATE FOR ASL cPCI	1	20	-	DATASOL
4	DBPL-ACPCI-PD-04	LHS PLATE FOR ASL cPCI	1	20	-	DATASOL
5	DBPL-ACPCI-PD-05	RHS PLATE FOR ASL cPCI	1	20	-	DATASOL
6	DBPL-ACPCI-PD-06	LHS FLANGE FOR ASL cPCI	1	20	-	DATASOL
7	DBPL-ACPCI-PD-07	RHS FLANGE FOR ASL cPCI	1	20	-	DATASOL
8	DBPL-ACPCI-PD-08	TOP PLATE FOR ASL cPCI	1	20	-	DATASOL
9	DBPL-ACPCI-PD-09	REAR PLATE FOR ASL cPCI	1	20	-	DATASOL
10	DBPL-ACPCI-PD-10	HANDLE P115xM4	2	40	-	DATASOL
11	DBPL-ACPCI-PD-11	HINGE1 FOR ASL cPCI	1	20	-	DATASOL
12	DBPL-ACPCI-PD-12	HINGES2 FOR ASL cPCI	1	20	-	DATASOL

B6: SPARE BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	80207-0	3U compact PCI carrier card for XMC PCI Express modules, 64-bit	-	05	-20° to +70°C	MOLEX

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SECTION C: ACCESSORIES

C1: ACCESSORIES BOM						
S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	GP65NB60	External USB DVD Drive	-	5	-	LG

SECTION D: CABLES

D1: CABLES BOM						
S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	NT 259	USB Panel Mount connector (Female to Female) for KVM	1	20	-	NT Tech
2	DBPL-DVI-MF-01	Dual link 24+1 DVI MALE TO FEMALE, For KVM 100MM and cPCI 500MM length	2	40	-	NT Tech
3	DVI2DP2 or STD	DVI TO DP CONVERTOR	1	20	-	STARTECH / NT Tech
4	NA	DP Male to DP Female Panel Mount Cable	1	20	-	NT Tech
5	EPC-67522.0	3-Pin power cord for cPCI chassis	1	20	-	L-COM
6	DBPL-PWR-KVM	1.8 Meters circular Power cable for KVM	1	20	-	DATASOL
7	NA	1.8 Meters Dual link 24+1 DVI Male to 24+1 Male cable	1	20	-	Standard
8	NA	1.8 Meters USB male to Male Cable	1	20	-	Standard
9	NA	Cat 6 Gigabyte Ethernet cables terminated with RJ45 connectors – 10 m length	1	20	-	NT Tech
10	NA	Cat 6 Gigabyte Ethernet cables terminated with RJ45 connectors – 5 m length	1	20	-	NT Tech
11	ST128W	VGA Splitter with 8 port for extending VGA output up to 50m	-	05	-	Startech
12	DP2VGAMM10B	Display Port to VGA adaptor cable with Display port patch cable of length 3m	-	10	-	Startech
13	NA	RGB wires for internal & External wirings	As Req	As Req	-	Datasol
14	1771-03S	CAT-6 Panel mounted Ext shielded cable for cPCI	1	20	-	NT Tech

SECTION E: PACKING BOX

E1: PACKING BOX BOM						
S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	OPERATING TEMP	MANUFACTURER
1	DBPL-PB-CPCI	Packing box for cPCI chassis	1	20	-	DATASOL
2	DBPL-PB-KVM	Packing box for rKVM	1	20	-	DATASOL

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