SOM-DB5720

Development Board for COM Express® Type 1/2 Pin-out Modules

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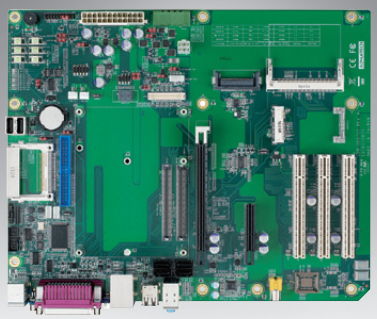

Features

- PICMG COM.0 R2.1 Type 1/2 Pin out
- COM Express® Basic/ Compact/ Mini module
- Display Type: VGA, LVDS, HDMI/Display port
- Extension: PCIe x16, x4, x1, Mini-PCIe, Express Card, PCI, Mini-PCI, LPC, SMBus, I²C
- Visible Debug Utility: BIOS 80 Port and Power State

Specifications

Compatible Models		Advantech COM Express Basic/Compact/Mini Module with Type 1/2 Pin-out
Switch Position	VGA	1 (D-SUB 15P Female)
	LVDS	18/24-bit single or dual channel
Display	SDVO	Up to 2 ports (expand by ADD2 Card through PCIe x16 slot)
	HDMI/DP	Up to 2 ports (expand by SOM-EA20 through PCIe x16 slot)
Expansion	PCIe x16	1
	PCIe x4	1
	PCIe x1	4 (expand by SOM-EA10 through PCIe x4 slot)
	Mini-PCIe	1
	Express Card	1
	PCI Slot	3
	Mini-PCI	1
	LPC	1
	SMBus	1
	I²C	1
	SPI	1
I/O	Ethernet	1 Giga LAN
	SATA	4 (Type B)
	IDE	1
	CF	1
	USB2.0	8 ports (include 1 client port)
	Audio	Line-in, Line-out, MIC, SPDIF (Realtek ALC892)
	Serial	2 COM ports RS-232 (D-SUB 9P on I/O bracket), RS-232/422/485 (Box header 5x2P on board)
	KB/MS	1
	LPT	1 (D-SUB 25P)
	GPIO	8
	Fan	2
	Port 80	1
	TPM	1
Power	Power Type	ATX/AT modes
Environment	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
	Humidity	Operating: 40° C @ 95% relative humidity, non-condensing Storage: 60° C @ 95%relative humidity, non-condensing
Mechanical	Dimensions	304.8 x 244 mm (12" x 9.6")

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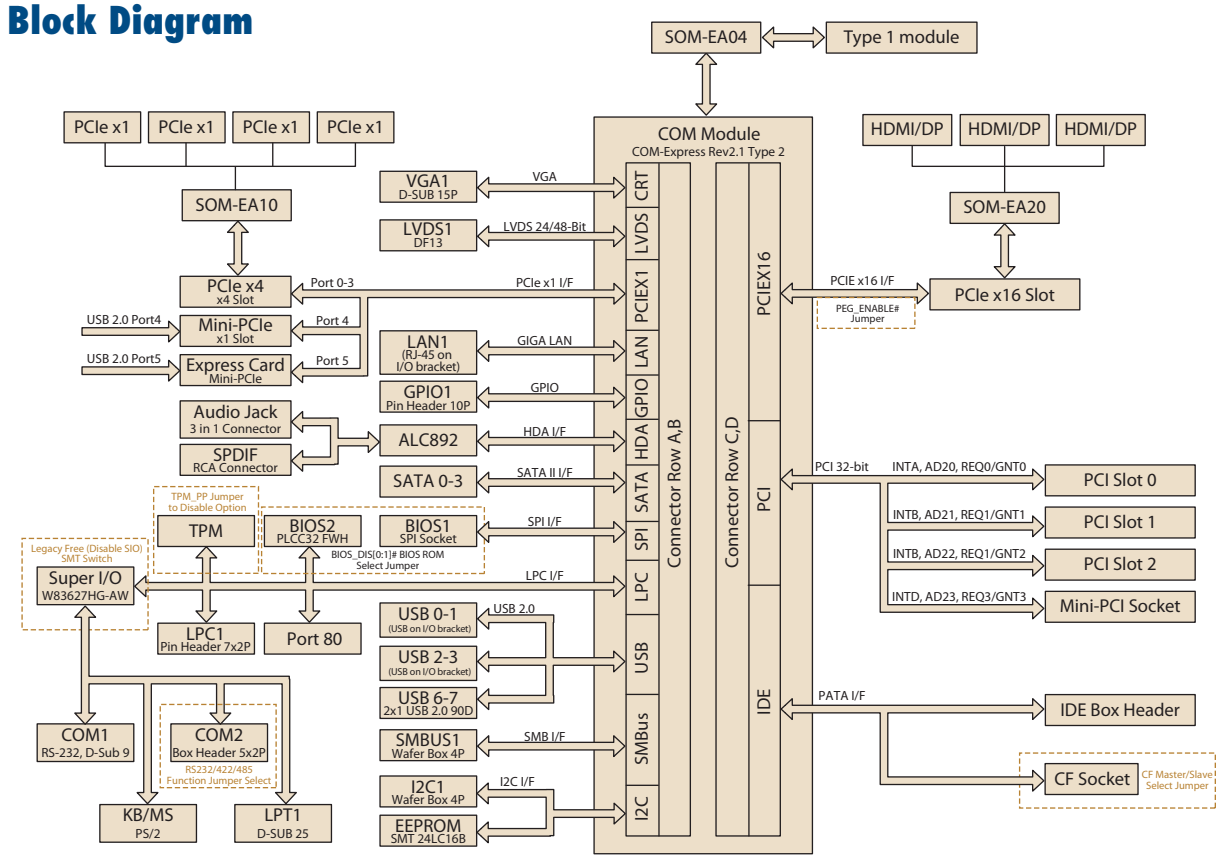
Block Diagram



Ordering Information

Part No.	Description
SOM-DB5720-00A1E	COM Express Development Board for Type 2 Pin-out
SOM-DB5720-U0A1E	COM Express Development Board for Type 1/2 Pin-out

Packing List

Part No.	Description	Quantity
9696572000E	SOM-DB5720 Development Board for COM Express Type2 Module	1
9696EA2011E	SOM-EA20 HDMI/DP Riser Card	1
9696EA1000E	SOM-EA10 PCIe x4-to-PCIe x1 Riser Card	1
9696EA0400E	SOM-EA04 Middle Board for Type1-to-Type 2 adaptor (SOM-DB5720-U0A1E Only)	1
1700008894	Serial ATA Cable 7P/7P 30 cm	2
1701100300	Flat COM Port Cable	1
1960012351T000	I/O Shield Bracket for SOM-DB5720	1
1960052347N000	I/O Shield Bracket for SOM-EA20 HDMI/DP Riser Card	1
1910001675	POST M2.5*4L 2.5*5L 2.5 2.1 5 5 Cu Ni	5
1920001128	NUT M D=5 5 2.1 3 Cu Ni	5