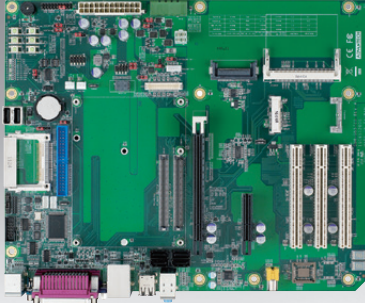


SOM-DB5720

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

NEW



CE FC

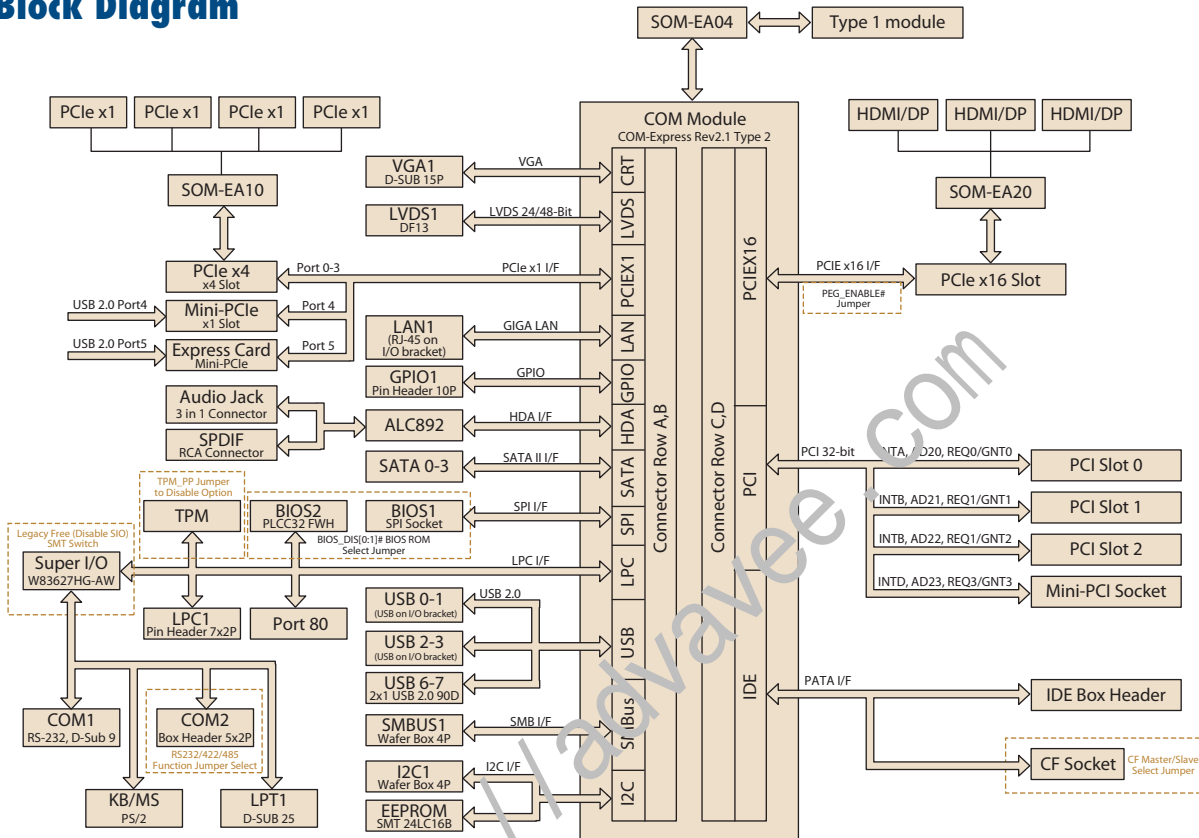
Features

- 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-EA2C 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 |
| | I ² C | 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 |
| | Operating Temperature | 0 ~ 60° C (32 ~ 140° F) |
| Environment | 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") |

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 |