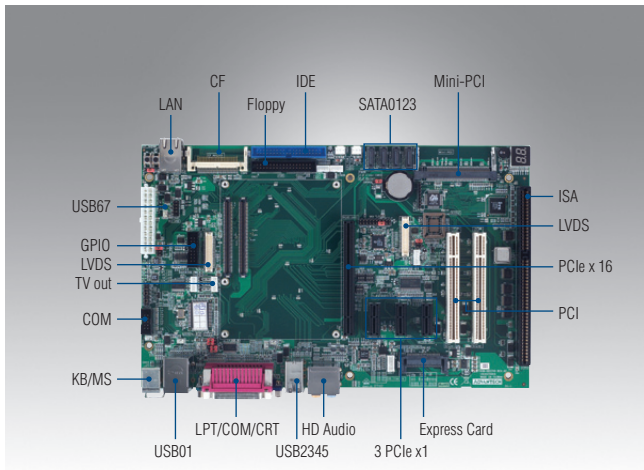


SOM-DB5700

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



CE FCC

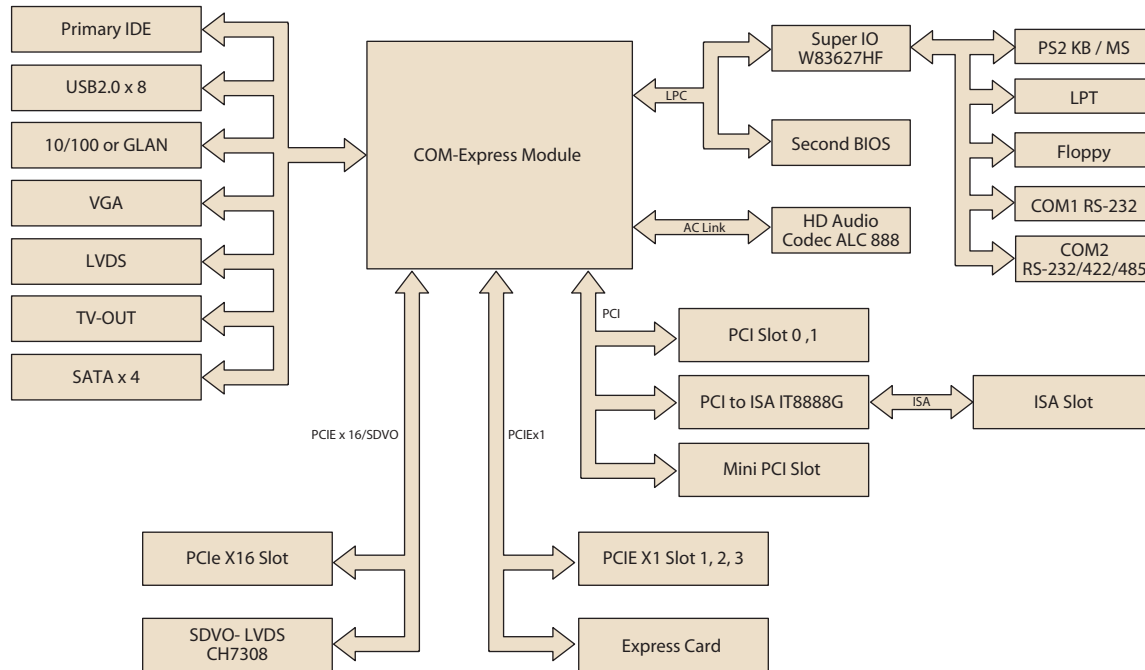
Features

- Supports COM Express Basic, Compact, Mini Module
- Compatible with COM Type1/2 Pin-out
- ATX form factor
- Supports VGA, 2-CH LVDS, TV-out, SDVO-to-LVDS
- Supports 1 PCIe x16, 3 PCIe x1, 1 Express Card, 2 PCI master, 1 MiniPCI, 1 ISA bus slot
- Supports SATA, IDE, CF, USB, Audio, COM, LPT/FDD, PS/2 KB&MS Interface

Specifications

| | | |
|-------------------|-----------------------|---|
| Compatible Models | | Advantech COM-Express Basic Modules (125 x 95 mm), COM-Express Compact Modules (95 x 95 mm) and COM-Express Mini Modules (84 x 55 mm) |
| Display | LVDS | LVDS1 (SPEC based on CPU Module) 48-bit LVDS2 (LVDS2 is optional) |
| | VGA | 1 (D-SUB 15P Female) |
| | TV Out | 1 |
| Ethernet | | 1 x Giga LAN or 10/100 (SPEC based on CPU Module) |
| Audio | Chipset | High Definition Audio (Line/Micro-In, Front/Center/Surround/Side surround-out) |
| Expansion | PCIe x16 Slots | 1 |
| | PCIe x1 Slots | 3 |
| | Express Card Socket | 1 |
| | PCI Slots | 2 |
| | MiniPCI Socket | 1 |
| | ISA Slot | 1 |
| I/O | SATA | 4 (Type B) |
| | EIDE | 1 x 40 pin |
| | Serial | 2 COM Ports (D-SUB 9P) 1 x RS-232, 1 x RS-232/422/485 |
| | USB | 8 x USB 2.0 |
| | LPT | 1 (D-SUB 25P) |
| | FDD | 1 |
| | KB/MS | 1 |
| | CF | 1 (Type I) |
| | GPIO | 8-bit (GPI 4-bit/GPO 4-bit) |
| | System FAN | 2 |
| | SMBUS | 1 |
| | I2C | 1 |
| | Port 80 | 1 |
| Power | Power Type | ATX/ AT modes |
| Environment | Operating Temperature | 0 ~ 60° C (32 ~ 140° F) |
| | Operating Humidity | 0% ~ 90% relative humidity, non-condensing |
| Mechanical | Dimensions | 304.8 x 190.5 mm (12" x 7.5") |

Block Diagram



Ordering Information

| Part No. | Description |
|-------------------|---|
| SOM-DB5700G-00A2E | Development board for COM-Express Basic Modules/ COM-Express Compact Modules Series with GLAN |
| SOM-DB5700G-U0A2E | Development board for COM-Ultra Modules Series with GLAN |

Packing List

| Part No. | Description | Quantity |
|------------|------------------------------|----------|
| - | SOM-DB5700 development board | 1 |
| 1700100170 | 17.5 cm 2 CH USB cable | 1 |
| 1701100300 | Flat COM port cable | 1 |
| 1700001892 | 30 cm TV-out 5P cable | 1 |
| 1701400452 | Flat 40P IDE cable 45 cm | 1 |
| 1700008894 | Serial ATA cable 7P/7P 30 cm | 1 |
| 1701340603 | Floppy cable 34P 60 cm | 1 |