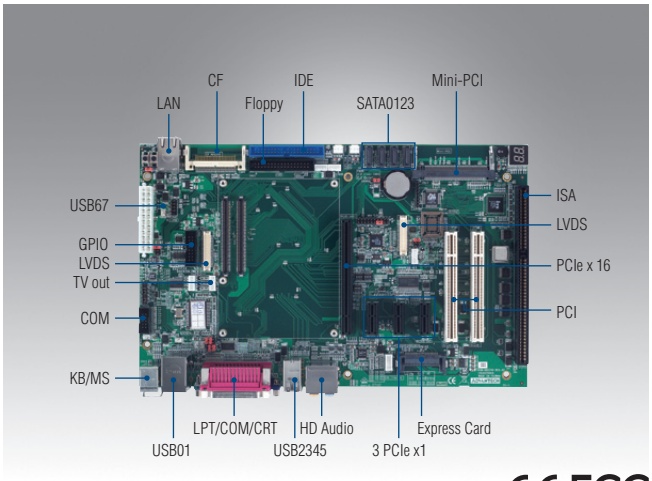
SOM-DB5700

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



CE FCC

Features

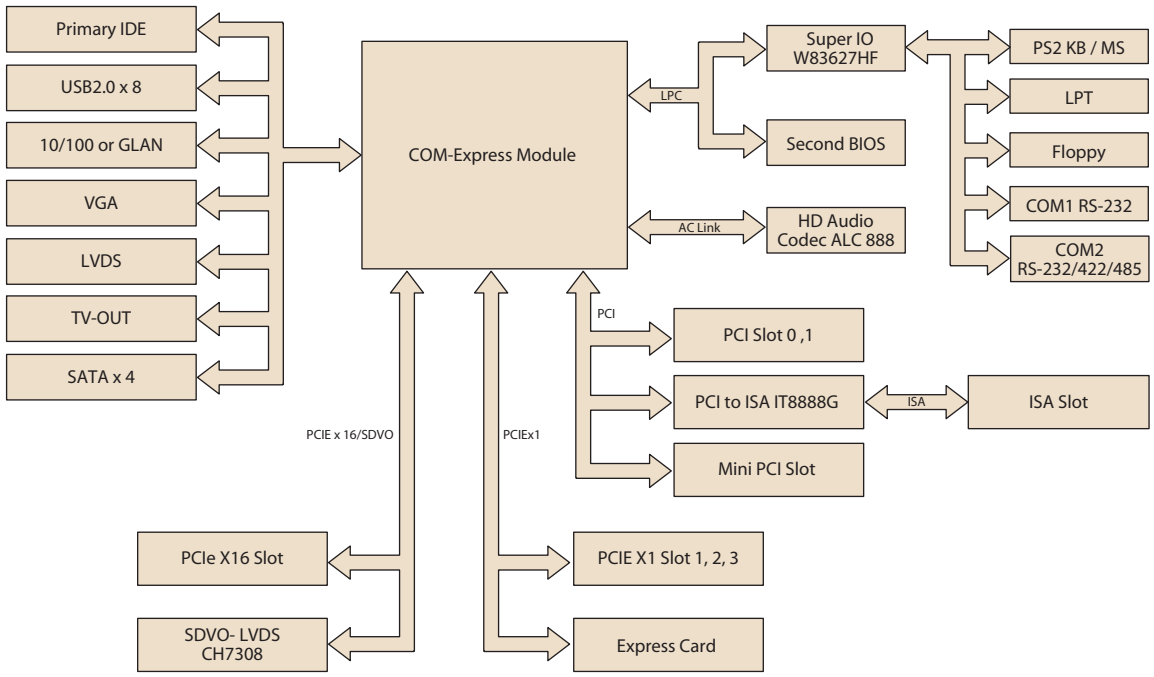
- Supports COM Express Basic, Compact, Mini Module
- Compatible with COM Type1/2 Pin-out
- ATX form factor
- Supports VGA, 2-CH LVDS, TV-out, SDVO-to-LVDS
- Supports 1 PCIe x16, 3 PCIe x1, 1 Express Card, 2 PCI master, 1 MiniPCI, 1 ISA bus slot
- Supports SATA, IDE, CF, USB, Audio, COM, LPT/FDD, PS/2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

All product specifications are subject to change without notice

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