Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

SOM-DB5700 Development Board
for COM Express Type 1/2 Pin-out Module

LAN   CF   IDE   Mini-PCI
Floppy   SATA0123

USB67
GPIO
LVDS
TV out
COM

KB/MS

ISA
LVDS
PCIe x 16
PCI

LPT/COM/CRT   HD Audio   Express Card
USB01   USB2345   3 PCIe x1
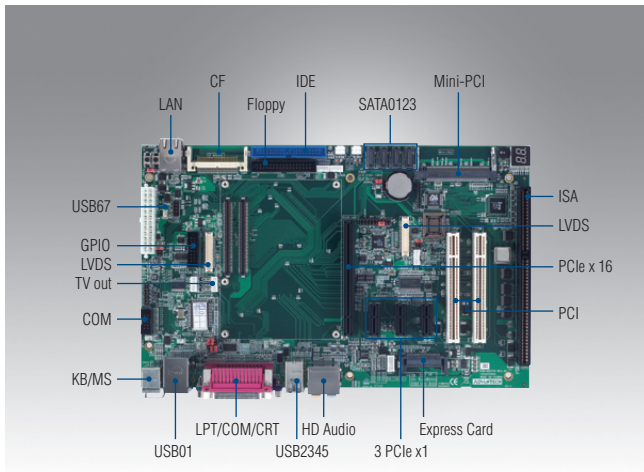
CE FCC

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
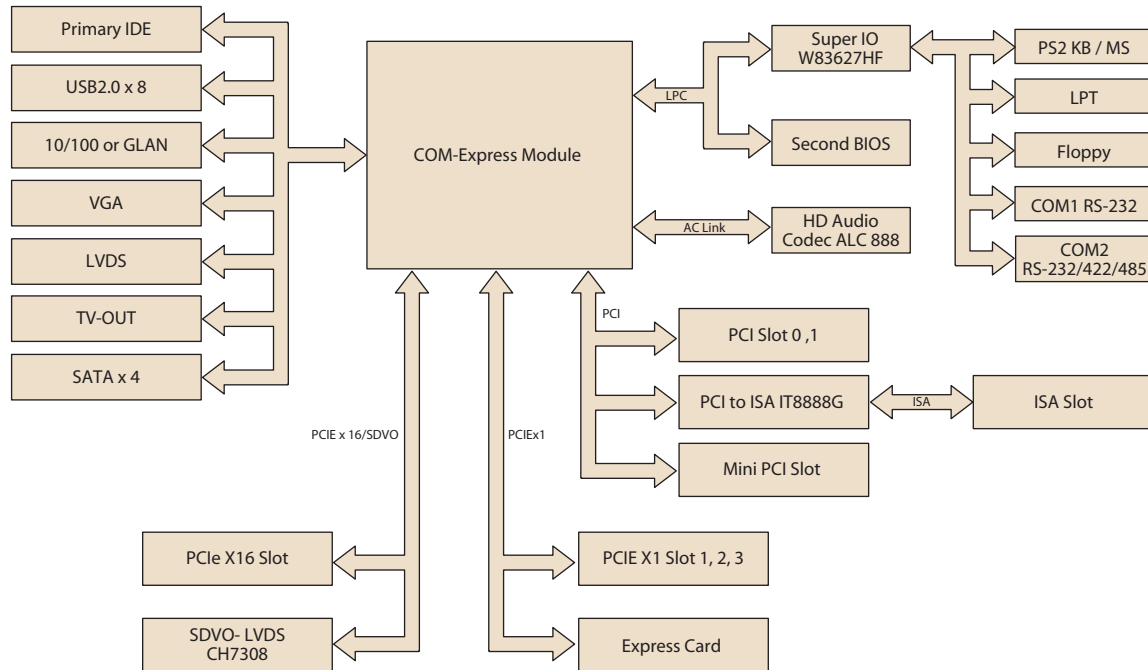
Ordering Information

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