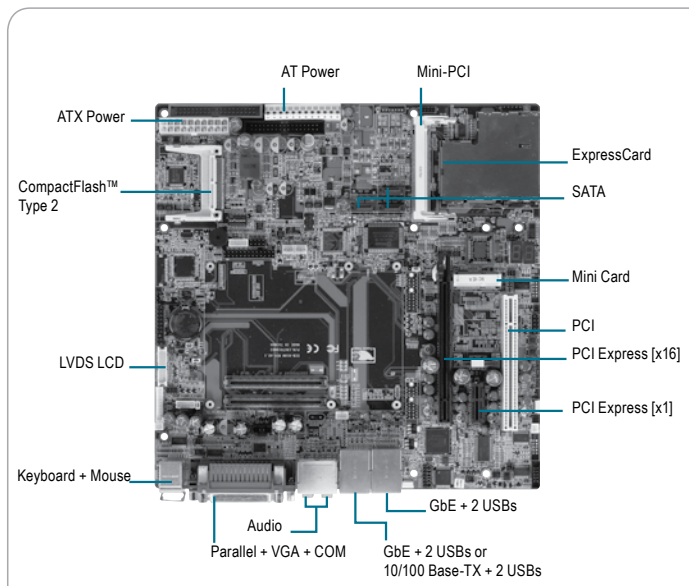


# ECB-916M A1.0/A2.1

## COM Express Carrier Board

07

COM Express CPU Modules



## Features

- Supports COM Express Module Pin-out Type 1/ 2 (COM.0 Rev. 1.0)
- RJ-45 x 2, Supports Gigabit Ethernet
- VGA, LVDS Connector
- 7.1 Channel Audio
- PATA Connector x 1, SATA Port x 4 (3), CompactFlash™ Type 2 Slot x 1
- USB Port x 4, COM Port x 4 (2)
- PCI-Express [x16] Slot x 1, PCI-Express [x1] Slot x 1, PCI Slot x 1
- ExpressCard Slot x 1, Mini-PCI Slot x 1, Mini Card Slot x 1
- AT/ ATX Power Input
- LPC Connector x 1, microATX Form Factor
- Super I/O: ITE or Winbond



## Specifications

System	
Form Factor	MicroATX
COM Express Connector	x 2
I/O Chipset	ITE IT8712 x 2 (Rev. A1.0, A1.0-01, A1.0-02) Winbond W83627HG x 1 (Rev. A2.1)
Front Panel Control	10-pin (5 x 2) header
Ethernet	Intel® 82573L, 10/100/1000Base-TX, RJ-45 x 1 10/100Base-TX or 10/100/1000Base-TX, RJ-45 x 1 (From CPU module)
Expansion Interface	PCI-Express [x16] slot x 1 PCI-Express [x1] slot x 1 PCI slot x 1 ExpressCard slot x 1 Mini-PCI slot x 1 Mini Card slot x 1
Power Supply Type	AT/ ATX
COMS Battery	RTC battery socket x 1
BIOS	Firmware Hub x 1
Board Size	9.6" x 9.6" (243.84mm x 243.84mm)
Gross Weight	1.32 lb (0.6 Kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	50,000
Display	
VGA	DB15 connector x 1
LVDS	30-pin (15x2) dual-channel LVDS connector x 1
I/O	
Storage	40-pin PATA connector x 1 SATA port x 4 (Rev. A1.0) SATA port x 3 (Rev. A2.1) CompactFlash™ Type 2 Slot x 1 Floppy Disk Drive connector x 1
Serial Port	RS-232 port x 3, Rev. A1.0, A1.0-01, A1.0-02 (9-pin D-Sub connector x 1 + 10-pin (5x2) box header x 2) RS-232 port x 1, Rev. A2.1 (9-pin D-Sub connector x 1) RS-232/422/485 port x 1, all versions (10-pin (5x2) box header)
Parallel Port	DB25 connector x 1, supports SPP/ EPP/ ECP mode
USB	Type-A connector x 4
PS/2 Port	Keyboard x 1, Mouse x 1
Digital I/O	Supports 8-bit (Programmable)
Audio	Audio jack x 6, supports 7.1 channel audio Analog Codec: Realtek ALC888, Buzzer x 1, Speaker connector x 2 (2-pin wafer x 2), Audio Amplifier: T1 TPA0132, 2.8W, Class AB
IrDA	Tx/Rx header x 1
Switch/ Button	Power button x 1, Reset button x 1

## Packing List

- **9681916M00**  
Cable Kit
  - 1701400453 IDE Cable x 1
  - 1709070500 SATA Cable x 1
  - 1702150150 SATA Power Cable x 1
  - 1701100207 COM Port Cable x 1
- **Quick Installation Guide**
- **ECB-916M**

## Ordering Information

- **TF-ECB-916M-A10**  
COM Express Carrier Board, microATX, 10/100Base-TX + Gigabit Ethernet, 7.1CH Audio, 4 COM (ITE), USB, PCI-Express, AT/ATX, Rev. A1.0
- **TF-ECB-916M-A10-01**  
COM Express Carrier Board, microATX, Dual Gigabit Ethernet, 7.1CH Audio, 4 COM (ITE), USB, PCI-Express, AT/ATX, Rev. A1.0
- **TF-ECB-916M-A10-02**  
COM Express Carrier Board, microATX, Dual Gigabit Ethernet, 7.1CH Audio, 4 COM (ITE), USB, PCI-Express, AT/ATX, 6th Standoff, Rev. A1.0
- **TF-ECB-916M-A21**  
COM Express Carrier Board, microATX, Dual Gigabit Ethernet, 7.1CH Audio, 2COM (Winbond), USB, PCI-Express, AT/ATX, Rev. A2.1