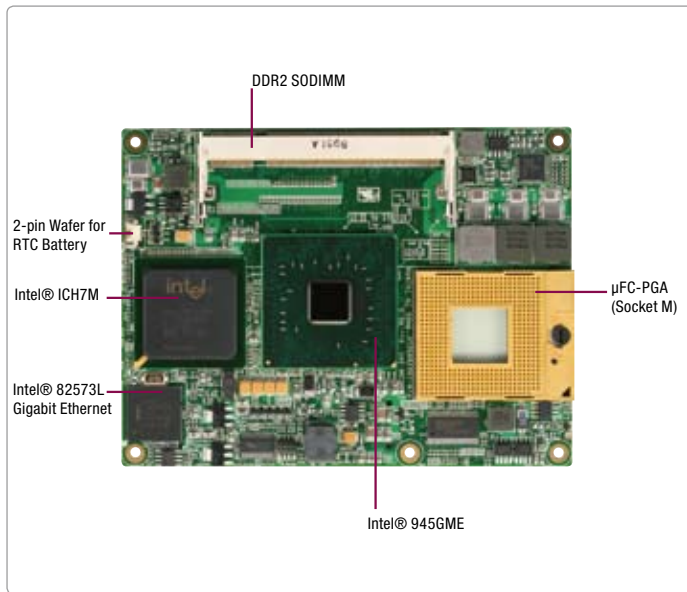


COM-945

COM Express Type 2 CPU Module with Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M (Socket-M Based) Processor

06

COM Express CPU Modules



Features

- Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M (Socket-M Based) Processor
- Intel® 945GME + ICH7M
- SODIMM DDR2 400/533/667 Memory, Max. 2 GB
- Gigabit Ethernet
- CRT, 18-bit Dual-channel LVDS LCD, SDVO
- High Definition Audio Interface
- PATA x 1, SATA 1.5Gb/s x 2
- USB2.0 x 8
- PCI x 4, PCI-Express [x16] x 1, PCI-Express [x1] x 3
- Wide DC Input Range, +8.5V To +19V (Optional)
- COM Express Basic Module, Pin-out Type 2, COM.0 Rev. 1.0

Specifications

System	
Form Factor	COM Express basic module, Pin-out Type 2, COM.0 Rev. 1.0
Processor	Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M (Socket-M based) processor
System Memory	200-pin DDR2 SODIMM x 1, Max. 2 GB (DDR2 400/533/667)
Chipset	Intel® 945GME + ICH7M
I/O Chipset	ICH7M
Ethernet	Intel® 82573L, 10/100/1000Base-TX
BIOS	Award BIOS v6.0 SPI type, 2 MB ROM
EEPROM	Atmel® AT24C02, save BIOS and Configuration data (Optional)
Wake on LAN	Yes
Watchdog Timer	Fintek F75111
H/W Status Monitoring	Supports CPU temperature monitoring
Expansion Interface	PCI-Express [x16] x 1 (Shared with 2 SDVO ports) PCI-Express [x1] x 3 32-bit PCI x 4 LPC bus x 1 SMBus x 1 I2C x 1
Power Requirement	Wide DC input range, +8.5V to +19V (Optional) Nominal: +12V 2-pin wafer for RTC battery
Power Consumption (Typical)	Intel® Core™ 2 Duo T7400 2.16GHz, DDR2 667 2 GB 3.97A@+12V 0.82A@+5V (w/ECB-916M)
Board Size	4.92" (L) x 3.74" (W) (125 mm x 95 mm)
Gross Weight	0.66 lb (0.3 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)	100,000
Display	Supports CRT/LCD simultaneous/ dual view displays
Chipset	Intel® 945GME integrated
Memory	Shared system memory up to 224 MB/ DVMT 3.0
Resolutions	Up to 2048 x 1536 (QXGA) for CRT Up to 1600 x 1200 (UXGA) for LCD
LCD Interface	18-bit dual-channel LVDS
SDVO	Supports SDVO x 2 (Shared with PCI-Express [x16])
I/O	
Storage	PATA x 1 (Two devices), SATA 1.5Gb/s x 2
USB	USB2.0 x 8
Audio	High definition audio
GPIO	Up to 4 in or 4 out



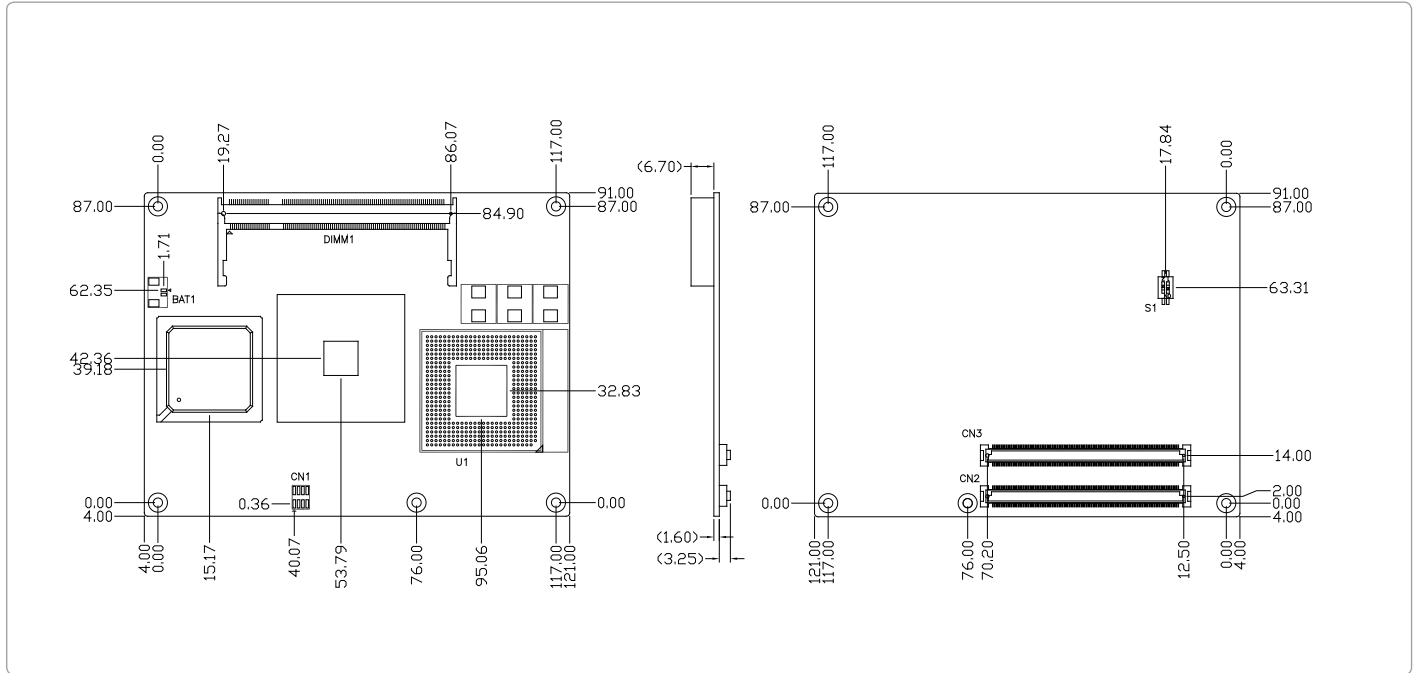
Packing List

- M2.5 Screw x 5
- Product CD
- COM-945

COM-945

Dimension

Unit: mm



Ordering Information

Part Number	COM Express Type	CPU	Memory	Display	LVDS	Storage	LAN	USB	UART	Expansion Slot	Power	Temp
TF-COM-945-A20	2 (COM.0 Rev.1.0)	Intel® Core™2 Duo Mobile (Socket M)	DDR2 SODIMM x 1 Max.2GB	CRT, LVDS, SDVO	24-bit Dual Channel	SATA2 x 2 PATA x 1	GbE x 1	USB2.0 x 8	—	PCI-E [x16] x 1 PCI-E [x1] x 3 32-bit PCI x 4	12V	0°C ~ 60°C

Optional Accessories

- TF-ECB-916M-A10-01**
 COM Express Carrier Board, microATX, Dual Gigabit Ethernet, 7.1CH Audio, 4 COM, USB, PCI-Express, AT/ATX, Rev. A1.0
- TF-PER-A078**
 CPU Cooler, For COM-945, Socket-type CPU, 12V Fan
- TF-PER-A076**
 Passive Heatsink, For COM-945, Socket-type CPU
- TF-PER-A086**
 Heat Spreader Kit, For COM-945, Socket-type CPU