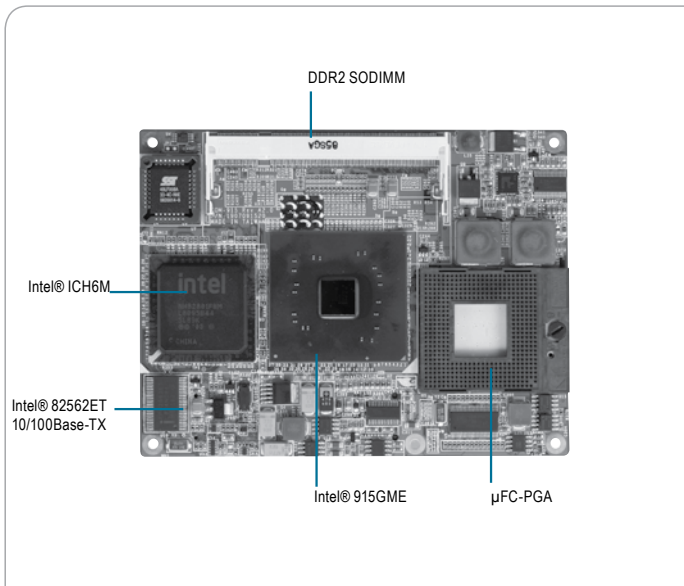


# COM-915

COM Express CPU Module With Intel® Pentium® M/ Celeron® M Processors



## Features

- Intel® Pentium® M/ Celeron® M Processors
- Intel® 915GME + ICH6M
- SODIMM DDR2 400/533 Memory, Max. 2 GB
- 10/100Base-TX Ethernet
- CRT, 18-bit Dual-channel LVDS LCD, SDVO
- High Definition Audio Interface
- PATA x 1, SATA 3.0Gb/s x 2
- USB2.0 x 8
- PCI x 4, PCI-Express [x16] x 1, PCI-Express [x1] x 4
- DC +12V Operating Voltage, 3.3V For RTC
- 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® Pentium® M/ Celeron® M processors
System Memory	200-pin DDR2 SODIMM x 1, Max. 2 GB (DDR2 400/533)
Chipset	Intel® 915GME + ICH6M
I/O Chipset	ICH6M
Ethernet	Intel® 82562ET, 10/100Base-TX
BIOS	Award BIOS v6.0 PLCC type, 1 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 4 32-bit PCI x 4 LPC bus x 1 SMBus x 1 I2C x 1
Power Requirement	DC +12V operating voltage/ 3.3V for RTC 2-pin wafer for RTC battery
Power Consumption (Typical)	Intel® Pentium® M 1.73 GHz, DDR2 667 2 GB 3.28A @ +12V, 1.14A @ +5V (w/ ECB-916M)
Board Size	4.92"(L) x 3.74"(W) (125mm x 95mm)
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® 915GME integrated
Memory	Shared system memory up to 128 MB
Resolutions	Up to 2048 x 1536 (QXGA) @ 75 Hz for CRT Up to 1600 x 1200 (UXGA), 1920 x 1200 (WUXGA) 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 3.0Gb/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-915

## Ordering Information

- **TF-COM-915-A20**  
COM Express CPU Module, Socket-478M (90nm CPU), 915GME, DDR2, LAN, USB2.0, Rev. A2.0
- **TF-COM-915-A20-01**  
COM Express CPU Module, Celeron® M 600 MHz with 512 KB L2 Cache, 915GME, DDR2, LAN, USB2.0, Rev. A2.0

## Optional Accessories

- **TF-ECB-916M-A10**  
COM Express Carrier Board, microATX, 10/100Base-TX + Gigabit Ethernet, 7.1CH Audio, 4 COM, USB, PCI-Express, AT/ATX, Rev. A1.0
- **TF-PER-A023**  
CPU Cooler, For COM-915, Socket-type CPU, 12V Fan
- **TF-PER-A024**  
CPU Cooler, For COM-915, Onboard CPU, 12V Fan
- **TF-PER-A021**  
Passive Heat-sink, For COM-915, Socket-type CPU
- **TF-PER-A022**  
Passive Heat-sink, For COM-915, Onboard CPU
- **TF-PER-A018**  
Heat Spreader Kit, For COM-915, Socket-type CPU
- **TF-PER-A019**  
Heat Spreader Kit, For COM-915, Onboard CPU