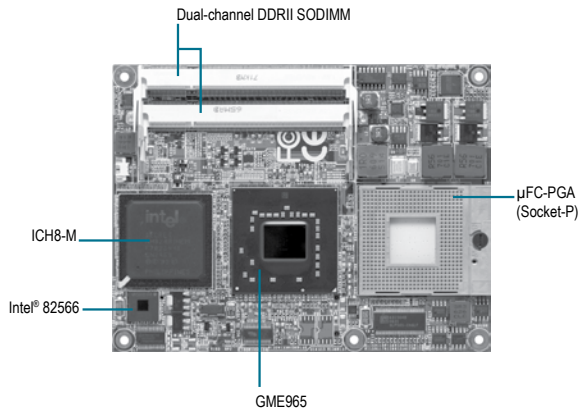


Intel® Core™ 2 Duo/ Celeron® M (Socket-P Based) Processors



Features

- Intel® Core™ 2 Duo/ Celeron® M (Socket-P Based) Processors
- Dual-channel DDRII 533/667 Memory, Up To 4GB
- CRT/ Up to 24-bit Dual-channel LVDS LCD/ TV
- Gigabit Ethernet
- High Definition Audio Interface
- Wide DC Input Range, +8.5V DC to +19V DC
- COM Express Basic Module Pin-out Type II



Specifications

| System | |
|-----------------------------|--|
| Form Factor | COM Express basic module, Pin-out Type II |
| Processor | Intel® Core™ 2 Duo/ Celeron® M (Socket-P based) processors |
| System Memory | 200-pin DDRII SODIMM x 2, Max. 4GB (DDRII 533/667), supports dual-channel function |
| Chipset | Intel® GME965 + ICH8-M |
| I/O Chipset | ICH8-M (ITE IT8712F-A/IX-L on the carrier board) |
| Ethernet | Intel® 82566, Gigabit Ethernet (PHY) |
| BIOS | Award |
| Wake on LAN | Yes |
| Watchdog Timer | Fintek F75111 |
| H/W Status Monitoring | CPU Temperature |
| Expansion Interface | PCI-Express [x16] (Shared with 2 SDVO ports) x 1 |
| | PCI-Express [x1] x 5 |
| | 32-bit PCI x 4 |
| | LPC bus x 1 |
| | SMBus x 1 I2C x 1 |
| Power Requirement | Wide DC Input Range, +8.5V DC to +19V DC |
| Power Consumption (Typical) | T7500 2.2GHz, DDR II 667 1GB |
| | 3.7A@+12V, 0.8A@+5V |
| 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 | |
| Chipset | Intel® GME965 integrated |
| Memory | Shared system memory up to 384MB |
| Resolutions | Up to 2048 x 1536 (QXGA) @ 60Hz for CRT |
| | Up to 2048 x 1536 (QXGA) for LCD |
| LCD Interface | Up to 24-bit dual-channel LVDS |
| SDVO | Supports SDVO x 2 (Shared with PCI-Express [x16]) |
| TV-Out | Intel® GME965 integrated, supports NTSC/PAL/HDTV |
| | HDTV supports: 480p/720p/1080i/1080p |
| | Supports Composite Video, S-Video, Component Video (YPbPr) on carrier board |
| I/O | |
| Storage | PATA x 1, SATA x 3 |
| USB | USB 2.0 x 8 |
| Audio | High definition audio |

Packing list

- Utility CD
- COM-965

Ordering Information

- **TF-COM-965-A10**
COM Express, Socket-P, Dual DDRII, GbE, USB 2.0, Rev.A1.0
- **TF-COM-965-A10-01**
COM Express, Socket-P, Dual DDRII, GbE, USB 2.0, TPM, Rev.A1.0

Optional Accessories

- **TF-ECB-916M-A10-01**
COM Express Carrier Board, Micro ATX, Dual GbE, 7.1 CH Audio, 4COM, USB, PCI-E, AT/ATX, Rev. A1.0