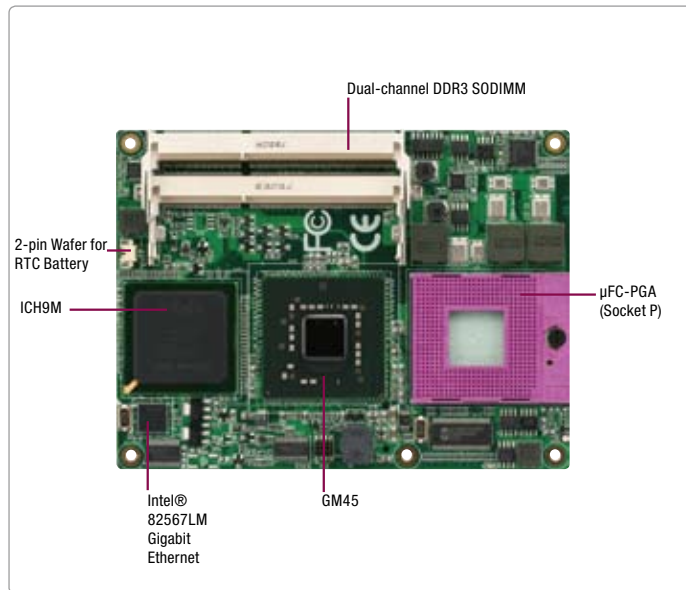


COM-45SP

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



Features

- Intel® Core™ 2 Duo/ Celeron® M (Socket-P Based) Processor
- Intel® GM45 + ICH9M
- Dual-channel DDR3 SODIMM 800/1066 Memory, Max. 8 GB
- Gigabit Ethernet
- CRT, Up To 24-bit Dual-channel LVDS LCD, DisplayPort™, HDMI, DVI, SDVO
- High Definition Audio Interface
- SATA 3.0Gb/s x 4
- USB2.0 x 8
- PCI x 4, PCI-Express [x16] x 1, PCI-Express [x1] x 5
- 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/ Celeron® M (Socket-P based 35mm x 35mm) processor |
| System Memory | 204-pin DDR3 SODIMM x 2, Max. 8 GB (DDR3 800/1066), supports dual-channel function |
| Chipset | Intel® GM45 + ICH9M |
| I/O Chipset | ICH9M |
| Ethernet | Intel® 82567LM, 10/100/1000Base-TX |
| TPM | v1.2 |
| BIOS | Award BIOS v8.0 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 SDVOs/ 3 DisplayPorts/ 2 HDMI/ 2 DVIs) => Can be configured as PCI-Express [x1]/ [x2]/ [x4]/ [x8] 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 to +19V (Optional) Nominal: +12V 2-pin wafer for RTC battery |
| Power Consumption (Typical) | Intel® T9400 2.53 GHz, DDR3 1066 2 GB 3.94A @ +12V, 0.38A @ +5V (w/ECD-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) | 85,000 |
| Display | |
| Chipset | Intel® GM45 integrated Integrates hardware MPEG2 decoder Supports WMV9 (VC-1) and H.264 (AVC) |
| Memory | Shared system memory up to 512 MB/ DVMT 5.0 |
| Resolution | Up to 2048 x 1536 (QXGA) for CRT Up to 1920x 1200 (QXGA) for LCD |
| LCD Interface | Up to 24-bit dual-channel LVDS |
| SDVO | Supports SDVO x 2 (Shared with PCI-Express [x16]) |
| HDMI | Supports HDMI x 2 (Shared with PCI-Express [x16], needs to add a level shifter) |
| DVI | Supports DVI x 2 (Shared with PCI-Express [x16], needs to add a level shifter) |
| DisplayPort | Supports DisplayPort™ x 3 (Shared with PCI-Express [x16]) |



| I/O | |
|---------|-----------------------|
| Storage | SATA 3.0Gb/s x 4 |
| 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-45SP

