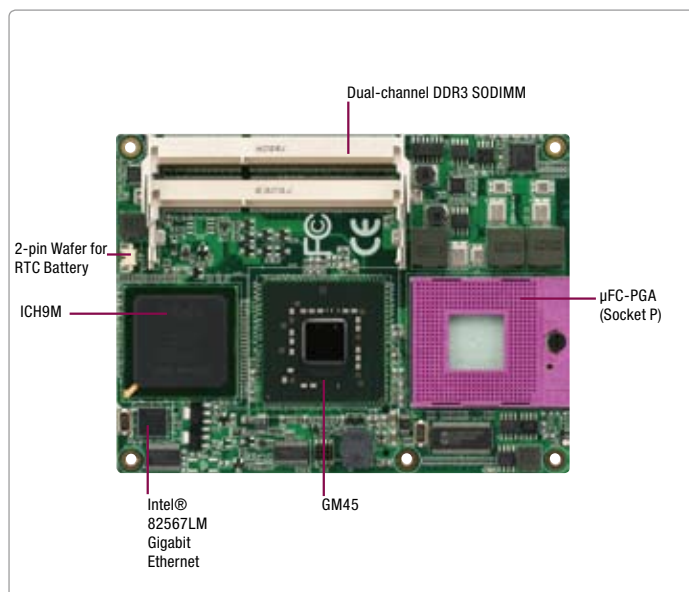


COM-45SP

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

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COM Express CPU Modules



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

