

Industrial Mother Board

ADE-9050

Intel® Core™ 2 Duo Mobile Processor based ATX Industrial Motherboard with Dual Display, Gigabit/Fast Ethernet, SATA, Audio, COM & USB



Core Specifications

- Intel® Core™ 2 Duo Mobile / Core™ Duo / Celeron® M Processors in an mPGA479M Socket
- Intel® 945GME Chipset, 667/533 MHz FSB
- Dual-channel DDR2 Memory Architecture
- Dual View Display by VGA/LVDS
- One Gigabit and One Fast Ethernet
- Four SATA 300 Ports
- Four COM Ports, Eight USB 2.0 Ports
- One PCI-E x16, One PCI-E x1, Five PCI Slots

Specifications

System

CPU	Intel® Core™ 2 Duo Mobile Processor - T7000, T5000 sequences (Merom/Socket M) Intel® Core™ Duo and Solo Processor - T2000, T1000 sequences (Yonah) Intel® Celeron® M Processor - 400 sequences
FSB	667/533 MHz
BIOS	Award BIOS 4 Mb Flash EEPROM
System Chipset	Intel® 945GME + ICH7
I/O Chip	ITE® IT8712F I/O Controller
System Memory	2 x 240-pin DIMM sockets Dual-channel DDR2 533/667 SDRAM Max. up to 4 GB memory
Storage	1 x Parallel ATA IDE ports with UDMA 33, ATA-66/100 4 x Series ATA 300 ports
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
GPIO	Onboard programmable 8-bit Digital I/O interface
Expansion	1 x PCI Express x16, 1 x PCI Express x1, 5 x PCI slots

MIO

Internal I/O	1 x FDD, 1 x slim Floppy, 1 x RS-232, 2 x RS-232/422/485, 4 x USB 2.0, 1 x extend KB & Mouse
Back Panel I/O	1 x VGA, 6 x Audio, 2 x RJ-45, 1 x Parallel, 1 x RS-232, 4 x USB 2.0, 1 x KB, 1 x Mouse

Display

Graphics Controller	Intel® 945GME Integrated GMA950 Graphics
Display Memory	Intel® DVMT 3.0 supports up to 256 MB video memory
Resolution	Analog display : up to 2048 x 1536 @ 75Hz (QXGA) LVDS : up to 1600x1200 @ 60Hz (UXGA)
Display Interface	DSUB-15 connector for VGA output
LVDS	Dual channel (2x18-bit) LVDS

Audio

HDAC	Realtek® ALC883 7.1 + 2CH audio codec
Audio Interface	Mic in, Line in, CD Audio in, Line out, Rear out and Center/Subwoofer out

Ethernet

Controller	LAN 1: Intel® 82562GZ Ethernet Controller; LAN 2: Intel® 82573L Gigabit Ethernet Controller
Ethernet Interface	IEEE 802.3 10BASE-T/100BASE-TX/1000BASE-T

Mechanical & Environmental

Power Requirement	+3.3 V @ 0.65 A, +5 V @ 3.71 A, +12 V @ 2.67 A, -12 V @ -0.23 A, 5 VSB @ 0.11 A
Power Type	24-pin ATX power connector
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	10%~90% relative humidity, noncondensing
Size (L x W)	12" x 8.7" (305 mm x 220 mm)
Weight	1.44 lb (650 g)

Ordering Information

ADE-9050 : Intel® Core™ 2 Duo Mobile based Processor ATX Industrial Motherboard with Dual Display, Gigabit/Fast Ethernet, SATA, Audio, COM & USB