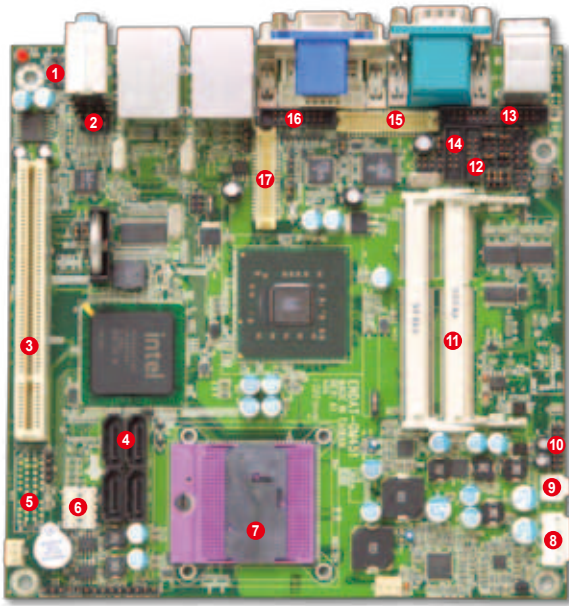


ENDAT-GM451

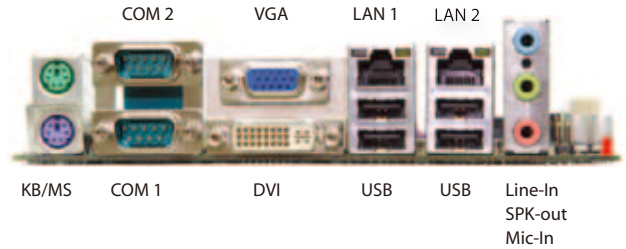
Intel GM45 Socket P Core 2 Quad Mini-ITX
Wide Range 14V ~ 24V DC power input
Dual LVDS outputs
Trusted Platform Module (TPM)



UNICORN



- 1 1-CD-In Pin Header
- 2 SPK-out Pin Header
- 3 Line-In Pin Header
- 4 Mic-In Pin Header
- 5 PCI Slot
- 6 SATA x4
- 7 PCI-E x1
- 8 USB x4
- 9 45nm Intel Core 2 Duo CPU Socket
- 10 HDD Power
- 11 DC 14V-28V Input
- 12 DIO
- 13 DDR3 SO-DIMM Socket
- 14 COM 3 Box Heater
- 15 COM 4 Box Heater
- 16 LPT Box Heater
- 17 LVDS 2
- 18 VGA Box Header
- 19 LVDS 1



Specification

CPU	Intel 45 nm Core 2 Quad / Core 2 Duo / Celeron M (Penryn Socket-P)
Chipset	Intel GM45 + ICH9-M
BIOS	Award BIOS
Graphics	Intel GMA4500 DX10 GFX core (DVMT 5.0)
TPM	YES (optional)
LVDS	Dual Channel up to 1920x 1080
Display	CRT + DVI or CRT + LVDS or DVI + LVDS or Dual LVDS
Memory	2 Sockets Up to 8GB SO-DIMM DDR3-1066
WDT	Programmable 1~255 seconds /minutes
LAN	2 x Realtek Giga LAN
Serial Port	4 x RS-232 w/+5, +12V power selector RS-422/RS-485 via COM2 (optional)
Parallel	1 (Optional via cable)

USB 2.0	8 x USB
SATA	4 x SATA
Audio	HD Audio; with 1.2W amplifier
KB/MS	PS2 connector and pin header
Digital I/O	1 x 8-bit Digital I/O (4 IN / 4 OUT)
Expansion Interface	1 x PCI + 1 x PCI-E x 1
Power Input	14V~24V DC
Temperature / Humidity	0~60 °C; 0~95% (non-condensing)
Dimensions (L x W)	170 x 170 mm

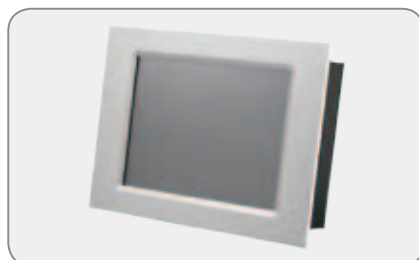
Ordering Information

- ENDAT-GM451-L: Dual LVDS + CRT
- ENDAT-GM451-D: CRT + DVI + LVDS

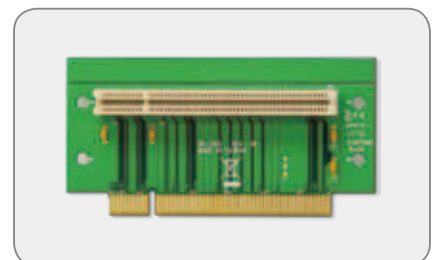
Related Products



Barebones P.43



Panel PC P.32



Riser card P.50

Application
3.5" SBC
Mini-ITX
5.25" SBC
OEM/ODM
Panel PC
Barebones
Accessories