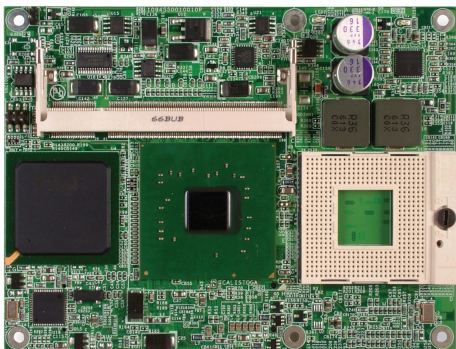


EmETXe-i9455

COM Express CPU Module Support Intel Core™ Duo/Core™ 2 Duo Processor with CRT/LCD, Gb LAN and PCI Express Lanes



COM Express

New!!

Features

- **COM Express Type II with Basic Size Core Module**
- Support Intel Core™ Duo/Core™ 2 Duo Processor with FSB667MHz
- Support DDRII up to 667MHz SO-DIMM up to 2GB
- Support Dual Channel 18 bit LVDS (Dual Channel 24 bit LVDS Optional)
- Realtek 8111B PCIe 10/100/1000 Base-T Ethernet
- 2 x SATAII, 8 x USB 2.0 and 2 x Serial Ports
- Support 3 PCIe x1 Lane and 1 x PCIe x16 Lanes
- **Operating Temp.: -20 ~ 70°C**

System

CPU	Socket 478 for Intel Core™ Duo/Core™ 2 Duo processor with FSB667MHz
Cache	2nd level 2MByte (Max.)
Memory	1 x 200-pin DDRII up to 667MHz SO-DIMM up to 2GB
Chipset	Intel 945GME + ICH7M
BIOS	Phoenix-Award PnP Flash BIOS
ATA/IDE	2 x Serial ATAII (300MB/s) 1 x ATA100/66/33 port, support 2 IDE drives

I/O

Serial Port	2 x RS-232 ports (with PBE-1700)
Parallel Port	SPP/EPP/ECP mode (with PBE-1700)
Floppy	Support 1 x Floppy disk drive (with PBE-1700)
USB Port	8 x USB 2.0 compliant
KB/MS	1 x PS2 K/B and Mouse (with PBE-1700)
Expansion Bus	Support 3 x PCIe x1 lane and 1 x PCIe x16 lanes

Ethernet

Chipset	Realtek 8111B PCIe 10/100/1000 base-T Ethernet
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Display

Graphics Chipset	Integrated with Intel® Graphics Media Accelerator (GMA950) or expand via PCIe x16
Graphics Interface	CRT support up to 2048 x 1536 LCD support dual channel 18 bit LVDS (Dual channel 24 bit LVDS optional)

Mechanical & Environmental

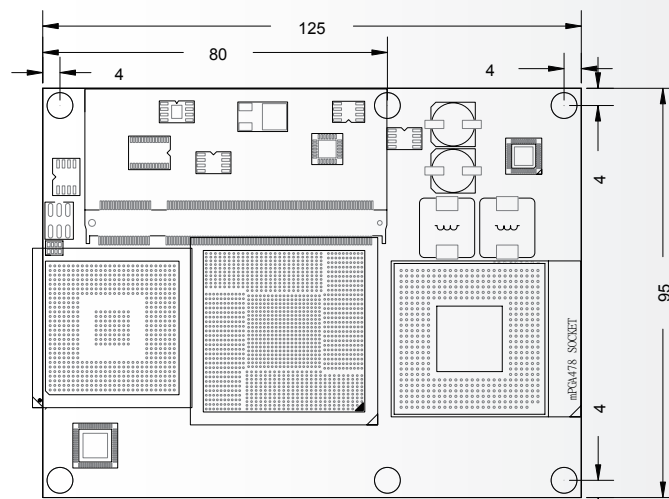
Power Consumption 5V/0.53A 12V/2.66A Max. (T2400 1.83GHz)

Operating Temp. -20 ~ 70°C (-4 ~ 158°F)

Operating Humidity 0 ~ 90% (non-condensing)

Dimension (L x W) 125 x 95 mm (4.9" x 3.7")

Dimensions



Unit:mm

Ordering Information

EmETXe-i9455	Intel Socket 478 Core™ Duo/Core™ 2 Duo CPU (FSB667MHz)	
EmETXe-i9455/L2400 (Optional)	Intel Core™ Duo LV CPU onboard (1.66GHz, 2MB L2, FSB667MHz)	
EmETXe-i9455/T2500 (Optional)	Intel Core™ Duo CPU onboard (2.0GHz, 2MB L2, FSB667MHz)	
PBE-1700	COM Express evaluation board in ATX form factor	Page 1-9
Heatsink	HS-9455-W1 (For PGA socket)	Page 5-4

All specifications are subject to change without notice.