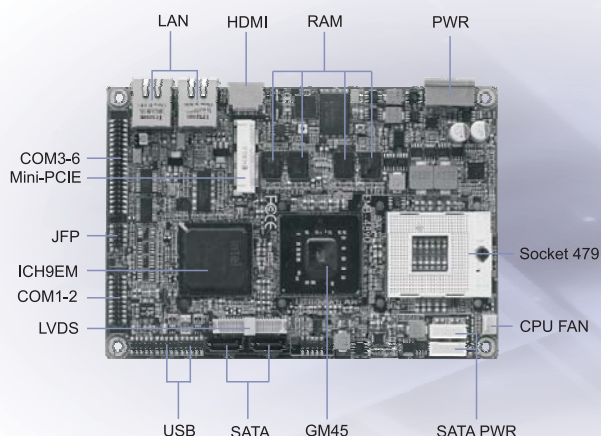


EMB-4890

High Performance EPIC Motherboard Based on Intel Gm45



Compact Flash



Fanless



DID



LVDS/TTL



USB 2.0



One Key restore



BIOS Security

Features :

- Based on Intel GM45+ICH9EM, support Intel Penryn / Core 2 Duo / Celeron M processor
- Onboard 2GB DDRIII 1066MHz RAM
- 1 X LVDS and 1 X VGA interfaces, support dual independent display
- Provide 2 X SATA II and onboard 2G SSD
- 2 X Intel 82567LM/82574L Gigabit Ethernet
- 4 X USB2.0/1 X LPC/6 X COM

Specifications

System	
Motherboard Type	EPIC
Processor	Support Intel Penryn/Core 2 Duo /Celeron M processor series, support 800/1066MHz FSB
RAM	Onboard 2GB DDRIII 1066MHz RAM
Chipset	Intel® GM45+ICH9EM
I/O Chip	ITE 8783-AX
Ethernet	Intel 82567LM/82574L, 10/100/1000Mbps, 2 X RJ-45
BIOS	32M bit SPI Flash BIOS
Wake On LAN	Yes
Watchdog Timer	Trigger a system reset when the timer overflows
Hardware State Monitoring	Monitor the state of voltage, temperature and rotational speed of the fan
Expansion Interface	1 X LPC
Battery	Lithium battery
Power Requirement	+12V single power supply
Motherboard Size	165mm×115mm
Operating Temperature	0℃~60℃
Storage Temperature	-40℃~80℃
Operating Humidity	0%~90% relative humidity (non-condensing)
Display	Support CRT and LVDS display output
Controller	GMA 4500MHD integrated in Intel®GM45
Video Memory	Dynamic video memory up to 512 MB
Resolutions	—
CRT	1 X 2x5Header
LCD	1 X 24-bit dual-channel LVDS
DVI	—
TV-out	—
Multi-Display	VGA+LVDS support dual independent display
I/O	
Storage	2xSATA II, onboard 2G SSD
Serial Port	4x RS-232, 2x RS-232/422/485
Parallel Port	—
USB	4x USB2.0 (2 X 2x5Pin)
Keyboard	—
GPIO	—
IrDA	—
Audio	Realtek ALC888 supports MIC-IN,LINE-IN,SPEAK OUT, with 2x5Pin interfaces

Packing List

- 0040021019 Jumper
- 0260400019 Serial Port Cable
- 0470120009 SATA Data Cable
- 0360250019 USB Data Cable
- Drive Disk
- User's Manual
- Warranty card
- EMB-4890

Ordering Information

- **EMB-4890-V10**
EPIC motherboard, based on Intel GM45+ICH9EM, support Intel Penryn / Core 2 Duo / Celeron M processor, onboard 2GB DDRIII 1066MHz RAM, VGA+LVDS, 2x GbE, 4x USB, 6x COM, 2x SATA, onboard 2G SSD, 1x LPC, HD Audio