

EMB-9458T	EMB-6908T	EMB-945T Rev.B	EMB-945T	EMB-9459T Rev.B	EMB-9459T	EMB-9658T	EMB-852T
<p>System</p> <ul style="list-style-type: none"> Form Factor Mini-ITX Processor Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M Processors, FSB 533/667 MHz System Memory 240-pin DIMM x 2, DDRII 400/533/667 up to 4GB Chipset Intel® 945GM + ICH7M (-DH optional for RAID) IO Chipset ICH7M (-DH optional for RAID) + I78712F-KX Ethernet Intel® 82573L, 10/100/1000Base-TX, RJ-45x2 BIOS Award Plug & Play BIOS - 1MB ROM Wake On LAN Yes Watchdog Timer Generates a time-out system reset HW Status Monitoring Supports power supply voltages, fan speed and temperature monitoring Expansion Interface PCI x 1, Mini PCI x 1, PCI-E [x1] x 2 (optional) Power Requirement ATX (+3.3V, +5V, +5VSB, +12V) or AT (+5V, +12V) Power Consumption (Typical) T7400 2.16GHz, DDRII 667 2GB 2.24A @ +12V, 3.6A @ +5V Board Size 6.7" (L) x 6.7" (W) (170mm x 170mm) Gross Weight 1.2lb (0.5Kg) Operating Temperature 32°F - 140°F (0°C - 60°C) Storage Temperature -40°F - 176°F (-40°C - 80°C) Storage Temperature -40°F - 176°F (-40°C - 80°C) Operating Humidity 0% - 90% relative humidity, non-condensing MTBF (Hours) 60,000 <p>Display Supports CRT/LCD, CRT/TV, LCD/TV, CRT/DVI & LCD/DVI simultaneous/ Dual view display</p> <ul style="list-style-type: none"> Chipset Intel® 945GM Memory Shared system memory up to 224MB Resolutions Up to 2560 x 1440 @ 75Hz for CRT Resolutions Up to 2048 x 1536 @ 32bpp for CRT Resolutions Up to 2048 x 1536 @ 32bpp for LCD LCD Interface 18/24-bit dual-channel LVDS DVI DVI-I x 1, 2nd DVI through SDVO Card (TF-PER-V03B-A10) TV-out Supports NTSC and PAL standard, S-Terminal and Composite Video DVI DVI-I x 1, 2nd DVI through SDVO Card (TF-PER-V03B-A10) TPM Yes <p>IO</p> <ul style="list-style-type: none"> Storage EIDE x 1 (UDMA 100 for one device), SATA x 2, Type II CompactFlash™ x 1 Serial Port RS-232 x 4, TTL only x 1, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 8 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, CD-in, S/PDIF in/out 	<p>System</p> <ul style="list-style-type: none"> Form Factor Mini-ITX Processor AMD Athlon™ 64/ Athlon™ 64 x2 (AM2 Socket) processors (Low-power version only: Athlon 2000+, 2600+, 3400e) System Memory 240-pin DDRII DIMM x 2, Max. 4GB (DDRII 533/667), supports ECC function Chipset AMD M690E + SB600 IO Chipset ITE I78712F-A1X-L Ethernet Intel® 82573L, 10/100/1000Base-TX, RJ-45 x 2 BIOS Award Wake On LAN Yes Watchdog Timer ITE I78712F-A1X-L HW Status Monitoring Supports power supply voltages, fan speed and temperature monitoring Expansion Interface PCI-E [x1] x 2 (Optional), PCI x 1, Mini PCI x 1 Power Requirement ATX (+3.3V, +5V, +12V, 2.25A @ +5V) Board Size 6.7" (L) x 6.7" (W) (170 mm x 170 mm) Gross Weight 1.32lb (0.6 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) 90,000 <p>Display: Supports LCD/CRT, LCD/DVI, CRT/DVI, Dual Simultaneous/ Dual View Displays</p> <ul style="list-style-type: none"> Chipset AMD M690E integrated Memory Shared system memory up to 256MB Resolutions Up to 2560 x 1440 @ 75Hz for CRT Resolutions Up to 2048 x 1536 (QXGA) for LCD LCD Interface Up to 1600 x 1200 @ 60Hz with pixel clock 162MHz for Single Link DVI DVI DVI-D in pin-header TV-out Supports NTSC and PAL standard LCD Interface Up to 24-bit dual-channel LVDS Side Port 1 x 16-bit memory interface, supports up to 128MB DVI DVI-I x 1, 2nd DVI through SDVO Card (TF-EMB-6908T-A12-01 only) DVI DVI-I x 1 <p>IO</p> <ul style="list-style-type: none"> Storage EIDE x 1 (one device), SATA x 4 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port Keyboard + Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, CD-in, S/PDIF in/out 	<p>System</p> <ul style="list-style-type: none"> Form Factor Mini-ITX Processor Supports Socket 478 or onboard Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M Processors up to 2.16GHz, FSB 533/667 System Memory 200-pin DDR II SODIMM x 2, Max. 4GB (DDR II 400/533/667) Chipset Intel® 945GME + ICH7M IO Chipset ITE 8712 + Fintek F81216D Ethernet Intel® 82573, 10/100/1000Base-TX, RJ-45 x 1 BIOS Award Plug & Play BIOS - 512KB ROM Wake On LAN Yes Watchdog Timer ITE 8712 HW Status Monitoring Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI x 1, PCI x 1, PCI-E [x1] x 1 Power Requirement ATX (+3.3V, +5V, +12V) Power Consumption (Typical) T7400 2.16GHz, DDRII 667 1GB 2.59A @ +12V, 2.88A @ +5V, 0.6A @ +3.3V Board Size 6.7" (L) x 6.7" (W) (170 mm x 170 mm) 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) 70,000 <p>Display Supports CRT/LCD, CRT/TV, CRT/DVI, LCD/DVI and LCD/TV simultaneous / dual view displays</p> <ul style="list-style-type: none"> Chipset Intel® 945GM VGA/LCD Controller 1. Intel® 945GM integrated Graphics, shared memory up to 224MB with DVMT; LCD supports 24-bit dual-channel LVDS 2. Chrontel 7307 for DVI support 3. Chrontel 7308 for 24-bit Dual-channel LVDS support DVI DVI-D in pin-header TV-out Supports NTSC and PAL standard Storage EIDE x 1 (UDMA 100 for one device), SATA x 2, Type II CompactFlash™ x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 6 PS/2 Port Keyboard + Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, CD-in, S/PDIF in/out <p>IO</p> <ul style="list-style-type: none"> Storage EIDE x 1 (UDMA 100 for one device), SATA x 2, Type II CompactFlash™ x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 6 PS/2 Port Keyboard + Mouse x 1 Digital I/O Supports 8-bit (programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, S/PDIF in/out 	<p>System</p> <ul style="list-style-type: none"> Form Factor Mini-ITX Processor Onboard Intel Atom N270 Processor 1.6GHz, FSB 533MHz System Memory 240-pin DDRII DIMM x 1, Max. 2GB (DDRII 400/533) Chipset Intel 945GSE + ICH7M IO Chipset ITE8712 Ethernet Realtek 8111C for 10/100/1000Base-TX or 8102E for 10/100Base-TX, RJ-45 x 2 BIOS Award Plug & Play SPI BIOS - 2MB ROM Wake On LAN Yes Watchdog Timer ITE I78712F/KX-L HW Status Monitoring Supports power supply voltages and temperature monitoring Expansion Interface Mini-PCI x 1, PCI-E [x1] slot x 2 in PCI-E [x4] socket (through Riser Card) Battery Lithium battery Power Requirement ATX Power Consumption (Typical) Intel Atom N270 0.65A @ +12V, 1.02A @ +5V Board Size 6.7" (L) x 6.7" (W) (170mm x 170mm) Gross Weight 1.2 lb (0.5Kg) 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) 66,000 <p>Display: Supports CRT/LCD, CRT/DVI, LCD/DVI, CRT/TV, LCD/TV simultaneous/ dual view displays</p> <ul style="list-style-type: none"> Chipset Intel 945GSE integrated Memory Shared system memory up to 224MB / DVMT3.0 Resolutions Up to 2048 x 1536 @ 32bpp colors for CRT LCD Interface 18-bit dual-channel LVDS , 18/24-bit dual-channel (DVI removed) DVI DVI-I x 1 (optional) TV-out Supports NTSC & PAL Standard S-terminal and Composite video Storage EIDE x 1 (UDMA-100 for one device), SATA x 2, CompactFlash™ x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 8 Digital I/O Supports 8-bit (programmable) IrDA One IrDA Tx/Rx header PS/2 Port Keyboard x 1, Mouse x 1 Audio Line-out, Mic-in (or Line-in) & CD-in, Stereo Amplifier included, HD 5.1 channel <p>IO</p> <ul style="list-style-type: none"> Storage EIDE x 1 (UDMA-100 for one device), SATA x 2, CompactFlash™ x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 8 Digital I/O Supports 8-bit (programmable) IrDA One IrDA Tx/Rx header PS/2 Port Keyboard x 1, Mouse x 1 Audio Line-in, Line-out, Mic-in & CD-in, Stereo Amplifier included, HD 5.1 channel 	<p>System</p> <ul style="list-style-type: none"> Form Factor Mini-ITX Processor Onboard Intel Atom™ N270 Processor 1.6GHz, FSB 533MHz System Memory 240-pin DDRII DIMM x 1, Max. 2GB (DDRII 400/533) Chipset Intel® 945GSE + ICH7M IO Chipset ITE8712 Ethernet Realtek 8111C for 10/100/1000Base-TX, RJ-45 x 2 BIOS Award Plug & Play SPI BIOS - 2MB ROM Wake On LAN Yes Watchdog Timer Generates a time-out system reset HW Status Monitoring Supports power supply voltages and temperature monitoring Expansion Interface Mini PCI x 1, PCI-E [x1] slot x 2 in PCI-E [x4] socket (through Riser Card) Battery Lithium battery Power Requirement DC 12V in Power Consumption (Typical) Intel® Atom™ N270 1.3A @ +12V, 0.3A @ +5V Board Size 6.7" (L) x 6.7" (W) (170mm x 170mm) Gross Weight 1.1 lb (0.5kg) 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) 66,000 <p>Display Supports CRT/LCD, CRT/DVI, LCD/TV, CRT/TV, LCD/TV simultaneous/ Dual View Displays</p> <ul style="list-style-type: none"> Chipset Intel™ 945GSE integrated Memory Shared system memory up to 224MB / DVMT3.0 Resolutions Up to 2048 x 1536 @ 32bpp colors for CRT LCD Interface Up to 1600 x 1200 @ 18bpp colors for LCD DVI DVI-I x 1 TV-out Supports SDVO x 1 DVI DVI-I x 1 TV-out Supports NTSC & PAL Standard S-terminal and Composite video Storage EIDE x 1 (shared signals with CompactFlash™), SATA II x 2 Serial Port RS-232 x 4, RS-232/422/485 x 1, TTL x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 8 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio HD 5.1 channel <p>IO</p> <ul style="list-style-type: none"> Storage EIDE x 1 (shared signals with CompactFlash™), SATA II x 2 Serial Port RS-232 x 4, RS-232/422/485 x 1, TTL x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 8 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio HD 5.1 channel 	<p>System</p> <ul style="list-style-type: none"> Form Factor Mini-ITX Processor Intel Core 2 Duo/ Celeron M (Socket-M based) Processors System Memory 200-pin DDRII SODIMM x 2, Max. 4GB (DDRII 533/667) Chipset Intel GME965 + ICH8M (-E optional for RAID) IO Chipset ITE8712 Ethernet Realtek 8111C for 10/100/1000Base-TX, RJ-45 x 2 BIOS Award Plug & Play SPI BIOS - 2MB ROM Wake On LAN Yes Watchdog Timer ITE I78712F/KX-L HW Status Monitoring Supports power supply voltages and temperature monitoring Expansion Interface PCI x 1, Mini PCI x 1 & PCI-Express [x4] slot x 1 (through Riser Card) Battery Lithium battery Power Requirement DC 12V / AT / ATX Power Consumption (Typical) T7500 2.2GHz, DDRII 800 2GB 3.81A @ +12V (DC12V Power) Board Size 6.7" (L) x 6.7" (W) (170mm x 170mm) Gross Weight 1.1lb (0.5kg) 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) 54,000 <p>Display: Supports LCD/CRT, LCD/DVI, LCD/TV, CRT/DVI, TV/DVI, Dual Simultaneous/ Dual View Displays</p> <ul style="list-style-type: none"> Chipset Intel GME965 integrated Memory Shared system memory up to 384MB/DVMT 4.0 Resolutions Up to 2048 x 1536 (QXGA) @ 60Hz for CRT LCD Interface Up to 24-bit dual-channel LVDS DVI DVI-I x 1 SDVO Supports SDVO x 1 TV-out Intel GME965 integrated, supports NTSC/ PAL/ HDTV HDTV supports: 480p/720p/1080i/1080p Storage EIDE x 1 (shared signals with CompactFlash™), SATA II x 2 Serial Port RS-232 x 5, RS-232/422/485 x 1, TTL x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 4 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio HD 5.1 channel <p>IO</p> <ul style="list-style-type: none"> Storage EIDE x 1 (UDMA 100 for two devices), Type II CompactFlash™ x 1, Floppy Disk Drive x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 4 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, 5.1CH 	<p>System</p> <ul style="list-style-type: none"> Form Factor Mini-ITX Processor Intel® Pentium® M/ Celeron® M Processors, up to 2.0GHz, FSB 400MHz or onboard Intel® LV/ ULV Pentium® M/ Celeron® M processors System Memory 184-pin DDR DIMM x 1, Max. 1GB (DDR 333/400) Chipset Intel® 852GM + ICH4 IO Chipset ITE 8712 + Fintek F81216 Ethernet Realtek 8100C, 10/100Base-TX Ethernet, RJ-45 x 1 BIOS Award 512KB FLASH ROM Wake On LAN Yes Watchdog Timer Generates a time-out system reset HW Status Monitoring Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI x 1, PCI x 1, PCMCIA x 2 Battery Lithium battery Power Requirement +5V / AT/ATX Power Consumption (Typical) Pentium® M 2.0GHz, DDR 400 1GB 6.68A @ +5V Board Size 6.7" (L) x 6.7" (W) (170 mm x 170 mm) Gross Weight 1.1 lb (0.5 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) 70,000 <p>Display Supports CRT/LCD, CRT/TV, CRT/DVI, LCD/DVI and LCD/TV simultaneous/ dual view displays</p> <ul style="list-style-type: none"> Chipset Intel® 852GM Memory Shared memory up to 64MB with DVMT Resolutions Up to 1280 x 1024 @ 32 bpp colors for CRT LCD Interface Up to 24-bit dual-channel LVDS (Emulated) TV-out Supports NTSC and PAL standard Storage EIDE x 1 (UDMA 100 for two devices), Type II CompactFlash™ x 1, Floppy Disk Drive x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 4 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, 5.1CH <p>IO</p> <ul style="list-style-type: none"> Storage EIDE x 1 (UDMA 100 for two devices), Type II CompactFlash™ x 1, Floppy Disk Drive x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 4 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, 5.1CH 	<p>System</p> <ul style="list-style-type: none"> Form Factor Mini-ITX Processor Intel® Pentium® M/ Celeron® M Processors, up to 2.0GHz, FSB 400MHz or onboard Intel® LV/ ULV Pentium® M/ Celeron® M processors System Memory 184-pin DDR DIMM x 1, Max. 1GB (DDR 333/400) Chipset Intel® 852GM + ICH4 IO Chipset ITE 8712 + Fintek F81216 Ethernet Realtek 8100C, 10/100Base-TX Ethernet, RJ-45 x 1 BIOS Award 512KB FLASH ROM Wake On LAN Yes Watchdog Timer Generates a time-out system reset HW Status Monitoring Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI x 1, PCI x 1, PCMCIA x 2 Battery Lithium battery Power Requirement +5V / AT/ATX Power Consumption (Typical) Pentium® M 2.0GHz, DDR 400 1GB 6.68A @ +5V Board Size 6.7" (L) x 6.7" (W) (170 mm x 170 mm) Gross Weight 1.1 lb (0.5 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) 70,000 <p>Display Supports CRT/LCD, CRT/TV, CRT/DVI, LCD/DVI and LCD/TV simultaneous/ dual view displays</p> <ul style="list-style-type: none"> Chipset Intel® 852GM Memory Shared memory up to 64MB with DVMT Resolutions Up to 1280 x 1024 @ 32 bpp colors for CRT LCD Interface Up to 24-bit dual-channel LVDS (Emulated) TV-out Supports NTSC and PAL standard Storage EIDE x 1 (UDMA 100 for two devices), Type II CompactFlash™ x 1, Floppy Disk Drive x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 4 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, 5.1CH <p>IO</p> <ul style="list-style-type: none"> Storage EIDE x 1 (UDMA 100 for two devices), Type II CompactFlash™ x 1, Floppy Disk Drive x 1 Serial Port RS-232 x 5, RS-232/422/485 x 1 Parallel Port SPP/EPP/ECP mode USB USB2.0 x 4 PS/2 Port Keyboard x 1, Mouse x 1 Digital I/O Supports 8-bit (Programmable) IrDA One IrDA Tx/Rx header Audio Mic-in, Line-in, Line-out, 5.1CH

Stereo Amplifier included

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