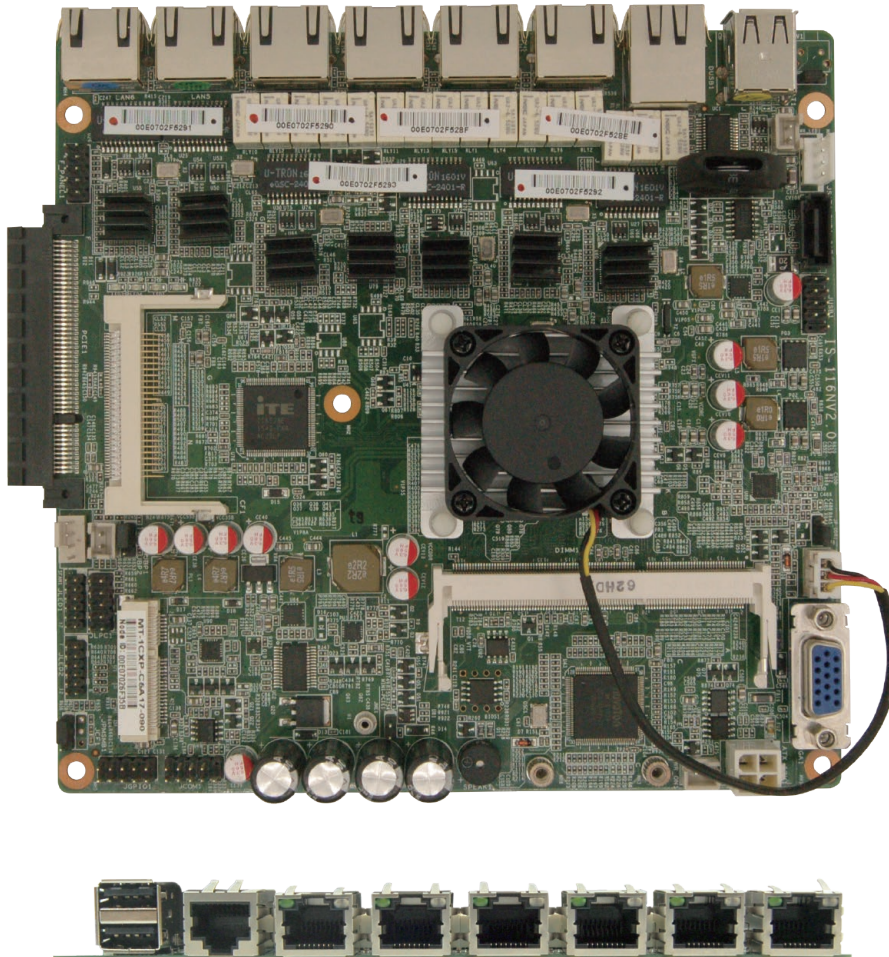




Network Security Motherboard based on Intel SOC Bay Trail CPU

Description:

EMB-IJ1900J-MI62 is a motherboard for network security desktops, which uses Intel SOC Bay Trail CPU and supports 1 x 204-pin DDR3L SO-DIMM. Its memory capacity is up to 4GB, and its motherboard comes with 6 x onboard Gigabit Ethernet ports, supporting Mini PCI-e or mSATA interface for wireless expansion or storage.



Specification:

Microprocessor	Intel Bay Trail J1900
Chipset	N/A
Memory	1 x 204 Pin DDR3L SO-DIMM Slot, supports 1066/1333MHz Un-buffered Non-ECC memory up to 4GB
Display	VGA DB15, 2560x1600@60Hz
Network	6 x Intel I211-AT 10/100/1000Mbps network interfaces, LAN1 supports S5 Wake on LAN; Support PXE startup(default: Disabled)
Storage	1 x SATA II, 1 x Type II CF slot, 1 x mSATA(optional)
Expansion Bus	1 x Mini-PCIE slot(mSATA optional)
Indicator Lights	1 x system status light, red color
	1 x power light, green color
Digital I/O	8 x digital I/O (4 x input, 4 x output)
I/O Interfaces	1. 2 x RS232 serial ports (1 x RJ45 Console interface, 1 x built-in header)
	2. 4 x USB2.0 (2 x front USB2.0, 2 x built-in header)
Dimension	170 mm(D)× 165 mm(W)× 44 mm(H)
Temperature	1. Operating temperature: 0℃~60℃
	2. Storage temperature: -10℃~70℃
Humidity	10%~95%(non condensing)
Reliability	1. MTBF≥50000h
	2. MTTR≤0.5h
Security	1. Meet the basic needs of GB4943-2001, grounding resistance $\leq 0.1\Omega$
	2. Insulation resistance $\geq 100M\Omega$
	3. Leakage current to ground $\leq 3.5mA$
Power Supply	Voltage Input: DC 12V
	Standard Power: 60W

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9 years' experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinners and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

