EC7-1818
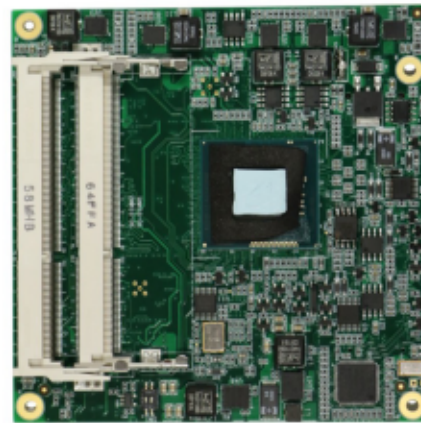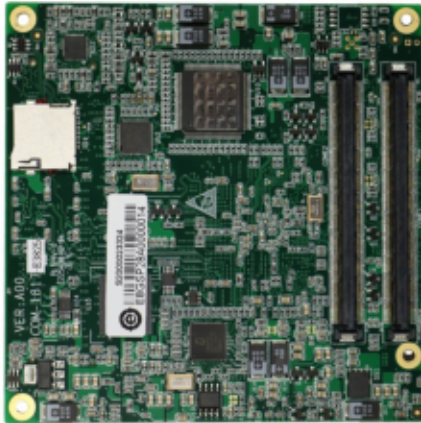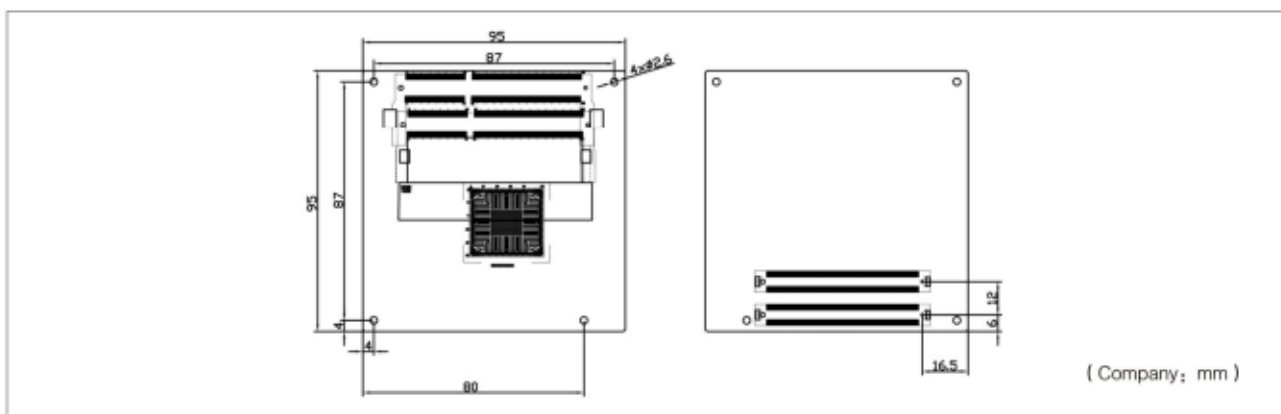
Mini-ITX SBC with onboard Atom D2550/N2600

Features:

◆ Supports third-generation Intel® Atom CPUs

◆ Provides 1 x 204PIN DDR3 memory slot, up to 4GB/2GB capacity

◆ Supports VGA, LVDS, HDMI and DVI displays

◆ Supports 8 x USB2.0, 6 x COM port, 2 x PS/2 keyboard/mouse port, 1 x 8-channel GPIO

◆ Provides 1 x PCI and 1 x Mini PCI-E slot, 1 x PCIe

Product size chart

(Company: mm)

Specifications

System	Processor	Onboard Intel® Atom™ D2550 (dual-core) /N2600 (dual-core) processors
	Chipset	Intel® ATOM™ D2550/N2600 + NM10
	Memory	Provides 1 x 204 Pin DDR3 memory slot: EC7-1818CLD2NA supports 1066MHz memory module with up to 4GB capacity while EC7-1818CLD2NA-V supports 800MHz memory module with up to 2GB
	Watchdog Timer	255 levels, programmable by second/minute, timeout interrupt or system reset
	Expansion Interface	Provides 1 x PCI and 1 x Mini PCI-e slot
Storage		1 x SATA , 1 x M-SATA or 2 x SATA interface (optional)
I/O Interface	USB	8 x USB2.0
	Serial Port	6 x serial ports: COM2/COM3 supports RS-232/RS-422/RS-485 mode selection
	PS/2	2 x PS/2 port
	GPIO	1 x 8bit digital I/O port
	Audio	HDA standard, supporting MIC-IN/LINE-OUT
Display		Supports VGA, LVDS, HDMI and DVI displays; EC7-1818CLD2NA supports 24-bit single channel while EC7-1818CLD2NA-V supports 18-bit LVDS single channel. VGA supports hot-swap function.All the display functions are sync output. The maximum resolution and refresh rate supported by VGA is 1920x1200@60Hz; the maximum resolution and refresh rate supported by the LVDS of EC7-1818CLD2NA is 1440x900@60Hz while that supported by the LVDS of EC7-1818CLD2NA-V is 1366x768@60Hz; the maximum resolution and refresh rate supported by HDMI/DVI is 1920x1200@60Hz.maximum resolution and refresh rate supported by the LVDS of EC7-1818CLD2NA is 1440x900@60Hz while that supported by the LVDS of EC7-1818CLD2NA-V is 1366x768@60Hz; the maximum resolution and refresh rate supported by HDMI/DVI is 1920x1200@60Hz.
Ethernet		2 x 10/100/1000Mbps LAN. LAN1 adopts standard RJ45 port, and supports Wake-On-LAN;
Mechanical and Environmental	Dimensions	170.6(mm) x 170.3(mm) x 41.3(mm)
	Operating Temperature	-10℃ ~60℃ EC7-1818CLD2NA (B); 5%~95%(non-condensing) -10℃ ~60℃ EC7-1818CLD2NA-D (B); 5%~95%(non-condensing) -10℃ ~70℃ EC7-1818CLD2NA-V (B); 5%~95%(non-condensing)
	Storage Temperature	-20℃ ~ 80℃, 5%~95% (non-condensing)
Power	Power Supply	EC7-1818CLD2NA (B):ATX power supply EC7-1818CLD2NA-D (B), EC7-1818CLD2NA-V (B): Single 12V power supply

Ordering Information

Part Number	Model Number	Description
0030–020091	EC7–1818CLD2NA(B)	Mini–ITX SBC/Intel NM10+Intel Atom D2550 CPU/1 x DDR3 DIMM memory slot, supporting up to 4G/DVI+VGA+LVDS+HDMI /1 x SATA/1 x M–SATA/2 x 1000Mbps Ethernet/8 x USB2.0/6 x COM(2 of them support RS232/422/485) /2 x PS2/HDA/1 x Mini PCI_E/1 x standard PCI slot /standard ATX power supply/–10℃ ~ 60℃
0030–020111	EC7–1818CLD2NA–V(B)	Mini–ITX SBC/Intel NM10+Intel Atom N2600 CPU/1 x DDR3 DIMM memory slot, supporting up to 2G/DVI+VGA+LVDS+HDMI /1 x SATA/1 x M–SATA/2 x 1000Mbps Ethernet/8 x USB2.0/6 x COM(2 of them support RS232/422/485) /2 x PS2/HDA/1 x Mini PCI_E/1 x standard PCI slot /single 12V power supply/–10℃~70℃
0030–020101	EC7–1818CLD2NA–D(B)	Mini–ITX SBC/Intel NM10+Intel Atom D2550 CPU/1 x DDR3 DIMM memory slot , supporting up to 4G/DVI+VGA+LVDS+HDMI /1 x SATA/1 x M–SATA/2 x 1000Mbps Ethernet/8 x USB2.0/6 x COM(2 of them support RS232/422/485) /2 x PS2/HDA/1 x Mini PCI_E/1 x standard PCI slot /single 12V power supply/–10℃~60℃