Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard /Power Convertor /Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Wide Temperature Box PC

BOX PC

Network Appliance

Industrial Chassis /Backplane /Power supply

EPC-6200

Programmable Embedded Controller with Intel® Atom™ N270 Platform

Features

- ETX CPU Module for Scalable and Time-efficient Customization
- 512KB SRAM Built-in for Critical Data Backup
- Rich I/O on the Panels with 2 PC/104-Plus Expansion Slots
- Support Wide Range DC Power Input (12 ~ 30V)
- Support DIN Rail & Wall Mounting
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- Fanless Design

System

CPU	Soldered onboard Intel® Atom™ N270 1.6GHz CPU with 533MHz FSB
Memory	1 x 200-pin DDR2 SO-DIMM Socket supports 400/533MHz SDRAM up to 2GB
	1 x 512KB SRAM built-in for emergent data backup
Chipset	Intel® 945GSE + ICH7M
Graphics	Integrated Intel® GMA950 GFx Core in 945GSE GMCH
ATA	2 x Serial ATA ports at 150MB/s HDD transfer rate
LAN Chipset	1 x Realtek RTL8103EL 10/100Base-T Ethernet controller
	1 x Realtek 8110SCL Gigabit Ethernet controller
Watchdog Timer	1~255 levels reset

I/O

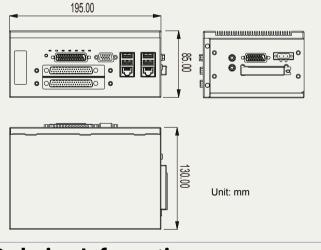|	
Serial Port	1 x DB-44 female connector: Support 2 x RS-232 ports ; 2 x RS-232/422/485 selectable ports
USB Port	4 x USB 2.0 ports
LAN	2 x RJ-45 ports support - 1 x 10/100Base-T Ethernet - 1 x Gigabit Ethernet
Video Port	1 x DB-15 female connector for Analog RGB
Digital I/O	1 x 16-bit programmable Digital Input/Output
Audio	Mic-in/Line-out
Expansion Bus	2 x PC/104-Plus slots

Environmental

Operating Temp.	-20 ~ 70°C (- 4 ~ 158°F), ambient w/ air flow
Storage Temp.	-40 ~ 80°C (-40 ~ 176°F)
Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation
Shock & Crash	Operating 20G (11ms), Non-operating 60G with HDD
	Operating 40G (11ms), Non-operating 80G with CF/SSD
	Crash 100G (11ms)

Qualification

Certification	CE, FCC

Power Requirement

Power Input	DC 12 ~ 30V input (w/ 1 x 3-pin DC input terminal block)
Power Consumption	21W (19V@1.1A)

Storage

Type	1 x 2.5" drive bay for HDD/SSD
	1 x CompactFlash Type II Socket which is outside accessible

Mechanical

Construction	Heavy-duty steel housing + Aluminum Heatsink
Mounting	Wall-mount/Din rail mounting
Weight	1.7 kg (3.74 lb) (Bare-bone)
Dimensions (W x D x H)	130 x 195 x 85 mm (5.12" x 7.68" x 3.35")

Drawing

195.00 · 85.00 · 130.00 · Unit: mm

Ordering Information

EPC-6200	Barebone system with 1GB DRAM
WMK-6X00	Wall mount kit for EPC - 6X00
PAC-P120W	120W AC/DC adapter kit
SSD-25080	Intel® 2.5" 80GB SATAII SSD kit
CBL-6X00-COM	COM Converter Cable (1 x 44-pin male connector to 4 x DB-9 female + 1 x DB-9 female) L = 200 mm

All specifications are subject to change without notice.