

EPC-2000 Series

Embedded Programmable Controller with Intel® Atom™ D525 Platform

EPC-2020

EPC-2030



Features

- Fanless, Cable-less and Modularized Design
- Wide Range DC Power Input (10 ~ 30V)
- Rich Onboard I/O and Expansion Slots (Max. 2 x PCIe1 Slots, 1 x PCI Slot)
- RS-485 Auto-flow Control Supported
- Easy Installation/Maintenance
- Intel® 2.5" SATAII SSD Compatible

System

CPU	Soldered onboard Intel® Atom™ D525 processor
Memory	Soldered onboard DDR3 2GB SDRAM
Chipset	Intel® ICH8M
Graphics	Integrated with Intel® GMA 3150
LAN Chipset	2 x Intel® 82574L PCIe controllers
Watchdog Timer	1~255 level reset

Peripherals and Devices

Serial Port	4 x COM ports with DB-9 male connectors (COM1, COM2: RS-232, COM3, COM4: RS-232/422/485 selectable)
USB Port	4 x USB type A connectors for USB 2.0 ports
LAN	2 x RJ-45 Gigabit Ethernet ports
Video Port	1 x DB-15 female connector for Analog RGB 1 x DB-26 male connector for dual channel 24-bit LVDS port
Audio	Mic-in/Line-out with Realtek ALC886 HD Audio CODEC
KB/MS	PS/2 interface Keyboard/ Mouse via Y-cable
Expansion Bus	Max. 2 x PCIe1 slots 1 x PCI slot

Environmental

Operating Temp.	-20 ~ 60°C (-4 ~ 140°F), ambient with air flow
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
Vibration	3G _{RMS} /5 to 500Hz/random operation, with SSD
Shock & Crash	Operating 20G (11ms), Non-operating 40G with HDD Operating 40G (11ms), Non-operating 60G with CFAST/SSD Crash 80G (11ms)

Qualification

Certification	CE, FCC
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Power Requirement

Power Input	DC 10 ~ 30V input (w/ 3-pin terminal block)
Power Consumption	60W (Max.)

Storage

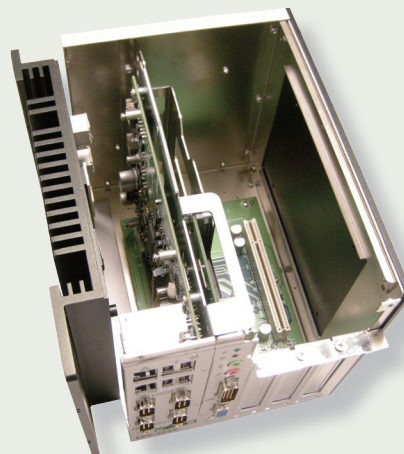
Type	1 x 2.5" drive bay for SATA interface HDD/SSD supporting 300MB/s HDD transfer rate 1 x CFAST socket
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Mechanical

Construction	Aluminum alloy
Mounting	Wall-mount/Din rail mounting
Weight	Max. 2.92 kg (6.42 lb)
Dimensions (W x D x H)	EPC-2020: 164 x 192 x 120 mm (6.46" x 7.56" x 4.72") EPC-2030: 164 x 192 x 140 mm (6.46" x 7.56" x 5.51")

Ordering Information

EPC-2020	EPC-2000 with 1 x PCIe slot & 1 x PCI slot
EPC-2030	EPC-2000 with 2 x PCIe slot & 1 x PCI slot

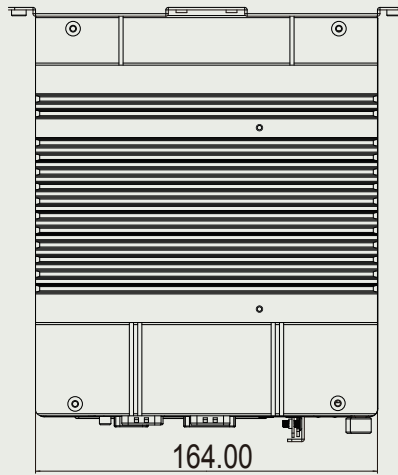
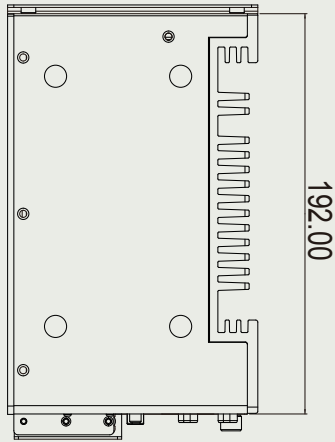


» Fanless, Cable-less Design

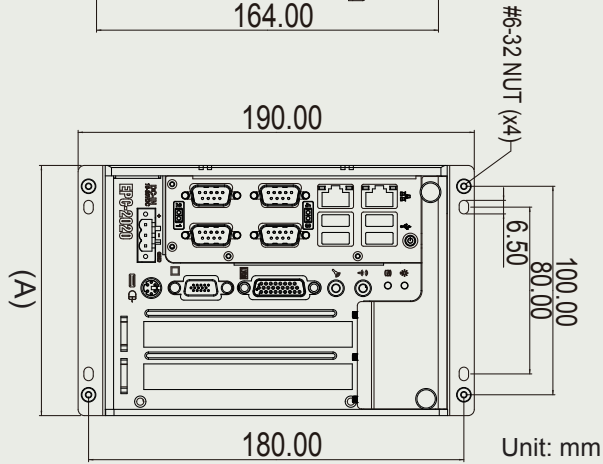
All specifications are subject to change without notice.

Dimensions

EPC-2000 Series

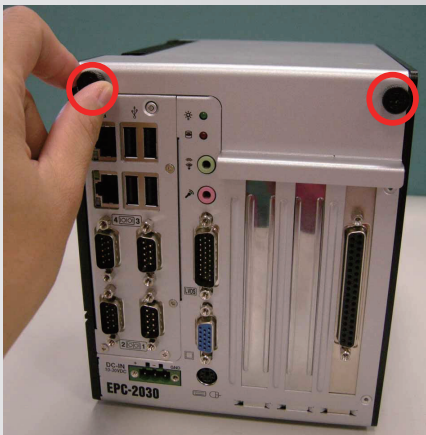


Dimensions	
Model	(A)
EPC-2020	120mm
EPC-2030	140mm



Unit: mm

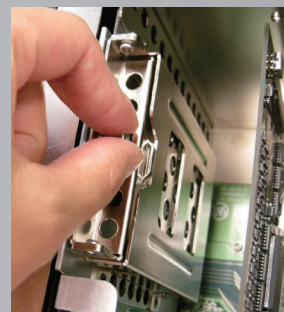
» Fast , Tool-free Installation CFast & HDD



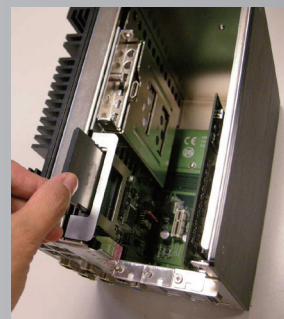
Thumbscrew Design for Easy, Tool-free Installation



Easily Remove Top Cover by Hand







2.5" Hard Disk Drive









CFast Card Installation

Optional Accessories

<p>PAC-P065W 65W AC/DC adapter kit</p>		<p>Power Input 100 ~ 240 VAC</p>
		<p>Power Output 19VDC, 3.4A, 65W</p>
		<p>Brand/Type Intel / 2.5 inch</p>
<p>SSD-25080 Intel® 2.5" 80GB SATAII SSD kit</p>		<p>Interface SATAII</p>
		<p>Capacity 80GB</p>
		<p>Dimensions (W x D x H) 100.45 x 69.85 x 9.5 mm (3.95" x 2.75" x 0.37")</p>
<p>WMK-2000 Wall-mount kit for EPC-2000 Series</p>		<p>Material SPCC+Ni</p>
		<p>Dimensions (W x D x H) 120 x 4.2 x 190 mm (4.72" x 0.17" x 7.48")</p>
<p>DRK-2000 Din rail mounting kit for EPC-2000 Series</p>		<p>Material SPCC+Ni, Al6063</p>
		<p>Display Compatibility Din Rail 35 mm</p>

Optional I/O Expansion

<p>DIO-16/16L(PCI)H 16-CH Input / 16-CH Output Isolated Digital I/O Board for PCI</p>		<p>Digital Input 16 ch (opto-isolation)</p>
		<p>Digital Output 16 ch (opto-isolation)</p>
		<p>Interface PCI</p>
<p>DIO-32/32L(PCI)H 32-CH Input / 32-CH Output Isolated Digital I/O Board for PCI</p>		<p>Digital Input 32 ch (opto-isolation)</p>
		<p>Digital Output 32 ch (opto-isolation)</p>
		<p>Interface PCI</p>
<p>COMM-2PD(PCI)H 2-CH Isolated RS-422A/485 Communication I/O Board with Isolation for PCI</p>		<p>Serial Port 2 x isolated RS-422A/485 serial ports</p>
		<p>Interface PCI</p>
<p>TML-96 96-pin Din Rail Mountable Screw Terminal</p>		
<p>TML-37 37-pin Din Rail Mountable Screw Terminal</p>		
<p>CBL-96-1.5P 1.5M length Shielding Cable with 96-pin Half-pitch Connector at Each End</p>		
<p>CBL-37-1.5P 1.5M length Shielding Cable with 37-pin D-type (M) Connector at Each End</p>	