

# EPC-2020/2030/2032

Programmable Embedded Controller with Intel® Atom™ D525 Platform

EPC-2020



EPC-2030/ EPC-2032



## Features

- Fanless, Cable-less and Modularized Design
- Wide Range DC Power Input (10 ~ 30V)
- Rich Onboard I/O and Expansion Slots (Max. 2 x PCIe x1 Slots, Max. 2 x PCI Slots)
- RS-485 Auto-flow Control Supported
- Easy Installation/Maintenance
- Intel® SSD Compatible

## System

<b>CPU</b>	Soldered onboard Intel® Atom™ D525 1.8GHz processor
<b>Memory</b>	Soldered onboard 2GB DDR3 SDRAM
<b>Chipset</b>	Intel® ICH8M
<b>Graphics</b>	Integrated with Intel® GMA 3150
<b>LAN Chipset</b>	2 x Intel® 82574L GbE controllers
<b>Watchdog Timer</b>	1~255 levels reset

## I/O

<b>Serial Port</b>	4 x DB-9 male connectors (COM1~2: RS-232, COM3~4: RS-232/422/485 selectable)
<b>USB Port</b>	4 x USB type A connectors for USB 2.0 ports
<b>LAN</b>	2 x RJ-45 GbE ports
<b>Video Port</b>	1 x DB-15 female connector for Analog RGB 1 x DB-26 male connector for dual channels 24-bit LVDS port
<b>Audio</b>	Mic-in/Line-out with Realtek ALC886 HD Audio CODEC
<b>KB/MS</b>	PS/2 interface Keyboard/ Mouse via Y-cable

## Expansion Bus

1 x PCIe x1 slot, 1 x PCI slot for EPC-2020
2 x PCIe x1 slots, 1 x PCI slot for EPC-2030
1 x PCIe x1 slot, 2 x PCI slots for EPC-2032

## Environmental

<b>Operating Temp.</b>	-20 ~ 60°C (-4 ~ 140°F), ambient with air flow
<b>Storage Temp.</b>	-40 ~ 85°C (-40 ~ 185°F)
<b>Operating Humidity</b>	10 ~ 95% @ 60°C (non-condensing)
<b>Vibration</b>	5~500Hz, 3Grms Random (w/ SSD)
<b>Shock</b>	Operating 40G, 11ms Non-operating 60G (with CFast/ SSD)

## Qualification

<b>Certification</b>	CE, FCC Class A
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## Power Requirement

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

## Storage

<b>Type</b>	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

<b>Construction</b>	Aluminum alloy
<b>Mounting</b>	Wall-mount/Din rail mounting
<b>Weight</b>	Max. 2.92 kg (6.42 lb)
<b>Dimensions (W x D x H)</b>	EPC-2020: 164 x 192 x 120 mm (6.46" x 7.56" x 4.72") EPC-2030/ EPC-2032: 164 x 192 x 140 mm (6.46" x 7.56" x 5.51")

## OS Support

Windows XP Embedded / Windows XP Professional / Windows Embedded 7 Professional / Windows Embedded 7 Standard

## Ordering Information

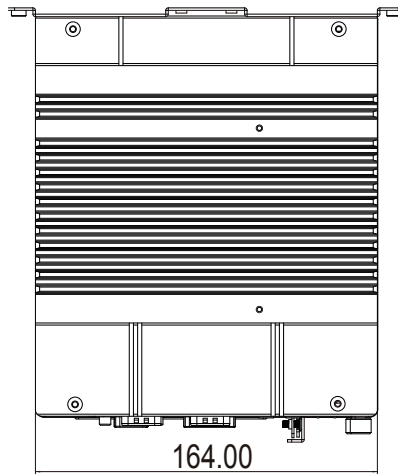
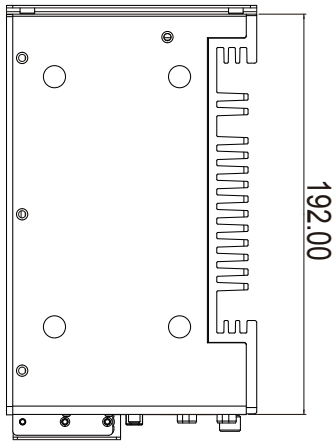
<b>EPC-2020</b>	EPC-2000 with 1 x PCIe x1 slot & 1 x PCI slot
<b>EPC-2030</b>	EPC-2000 with 2 x PCIe x1 slots & 1 x PCI slot
<b>EPC-2032</b>	EPC-2000 with 1 x PCIe x1 slot & 2 x PCI slots



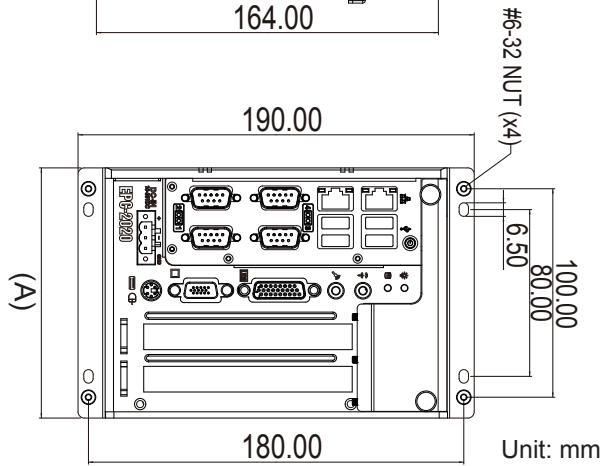
» Fanless, Cable-less Design

# Dimensions

## EPC-2000 Series



Dimensions	
Model	(A)
EPC-2020	120mm
EPC-2030	140mm
EPC-2032	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

# EPC-2020/2030/2032

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## Standard Accessories

**WMK-2000** Wall-mount kit for EPC-2000 Series 

## Optional Accessories

**PAC-P065W** 19V/3.4A 65W AC/DC adapter kit 

**DRK-2000** Din rail mounting kit for EPC-2000 Series 

**TML-96** 96-pin Din Rail Mountable Screw Terminal 

**TML-37** 37-pin Din Rail Mountable Screw Terminal 

**CBL-96-1.5P** 1.5M length Shielding Cable with 96-pin Half-pitch Connector at Each End 


**CBL-37-1.5P** 1.5M length Shielding Cable with 37-pin D-type (M) Connector at Each End 

## Optional Configuration (CTOS\* Kit)

**SSD-25040** Intel® 2.5" 40GB SATAII SSD kit 

**DIO-16/16L(PCI)H** 16-CH Input / 16-CH Output Isolated Digital I/O Board for PCI 

**DIO-32/32L(PCI)H** 32-CH Input / 32-CH Output Isolated Digital I/O Board for PCI 

**COMM-2PD(PCI)H** 2-CH Isolated RS-422A/485 Communication I/O Board with Isolation for PCI 

\*CTOS means Configure-to-Order Service.