

# TOKIN-6123

Fanless 12.1" Industrial Panel PC with Intel® Celeron® 827E 1.4GHz / Intel® Atom™ D2550 1.86GHz



## Features

- Less Cable , Fanless Design
- User Selectable Modular Design
- 12.1" 1024 x 768 XGA LCD Display w/ LED Backlight
- Die-casting Bezel, Completely Covered w/ Membrane
- Flush Front Panel NEMA4/IP65 Compliant
- Brightness Control Button
- Anti-spark Power Circuit (UL Class 1 Div. 2 compliant)
- CFast Outside Accessible Push-pull Sockets
- Isolated Serial Ports (RS-232/485)
- 2 x Mini-card sockets, 1 x PCI or 1 x PCIe (TOKIN-6123-D2550 not supporting PCIe)
- Semi-Piercing D-SUB9 Hole Reserved for Field-bus Card
- SMA Antenna Holes for Optional WiFi Function
- 9~36V Wide Range DC Input

## System

<b>CPU</b>	Intel® Celeron® 827E 1.4GHz processor or Intel® Atom™ D2550 1.86GHz processor
<b>Memory</b>	Installed with 2GB DDR3 SO-DIMM memory module 2 x DDR3 SO-DIMM Sockets, supporting 1333/1066 MHz SDRAM up to 8GB (827E) 1 x DDR3 SO-DIMM Socket, supporting 1066/800 MHz SDRAM up to 4GB (D2550)
<b>Chipset</b>	Intel® HM65 for 827E Intel® NM10 for D2550
<b>LAN</b>	2 x Gigabit Ethernet controllers
<b>Watchdog Timer</b>	1~255 levels reset

## Storage

<b>1<sup>st</sup> Device</b>	1 x outside accessible Primary CFast slot
<b>2<sup>nd</sup> Device</b>	1 x outside accessible 2 <sup>nd</sup> CFast slot (default), or 2.5" Drive Bay (included in Standard Accessories)

## LCD Display

<b>Size/Type</b>	12.1" TFT LCD Panel
<b>Max. Resolution</b>	1024 x 768, XGA
<b>Max. Colors</b>	16.2M
<b>Luminance</b>	500 cd/m <sup>2</sup>
<b>Touch Screen</b>	5-wire, Analog Resistive

## Button & Indicator

<b>Function Key</b>	Brightness up/down, Screen on/off
<b>LED Indicator</b>	Power on LED

## Power System

<b>Power Input</b>	DC 9~36V
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## Certification

<b>EMC / EMI</b>	CE, FCC Class A
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## External I/O

<b>Serial Ports</b>	2 x RS-232 and 2 x isolated RS-232/485 ports, all are DSUB 9-pin
<b>USB Ports</b>	4 x Type-A USB ports
<b>LAN</b>	2 x RJ-45 Gigabit Ethernet ports
<b>DVI</b>	1 x DVI-I connector
<b>Optional Port</b>	1 x semi-piercing DSUB hole reserved for internal wiring by user
<b>WiFi</b>	2 x SMA antenna holes for optional WiFi function

## Expansion

<b>Expansion Bus</b>	2 x Mini-Card sockets 1 x PCI 32-bit slot (default), can be changed to PCIe x1 slot (included in Standard Accessories, only for TOKIN-6123-827E) 1 x semi-piercing D-SUB9 hole reserved for field-bus card
<b>Optional</b>	

## Mechanical

<b>Mounting Type</b>	Panel Mounting and VESA-75/100 Mounting
<b>Chassis</b>	Panel-mounting chassis, Aluminum Front Bezel and SECC steel chassis
<b>Dimension (W x D x H)</b>	325.86 x 77.0 x 258.86 mm (12.82" x 3.03" x 10.18")
<b>Weight (Net)</b>	5.6 kg (12.34 lb)

## Environmental

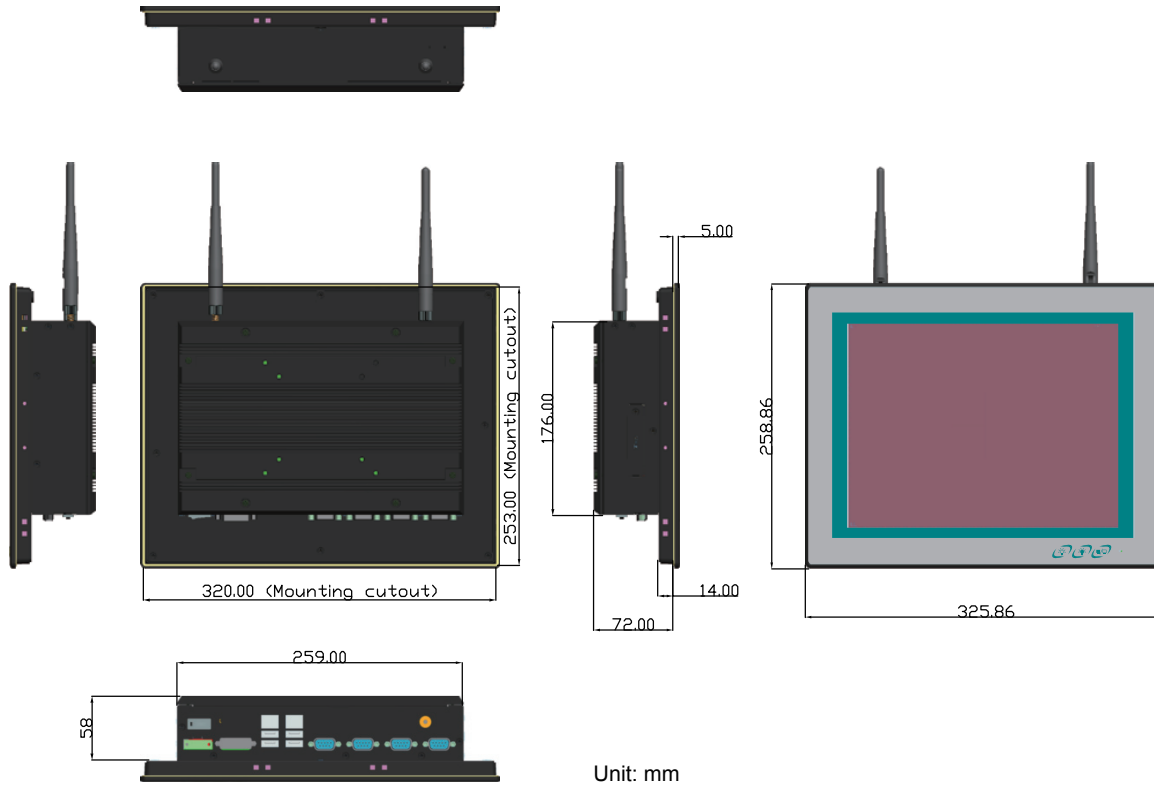
<b>Operating Temp.</b>	-20 ~ 60°C (-4 ~ 140°F)
<b>Storage Temp.</b>	-20 ~ 70°C (-4 ~ 158°F)
<b>Operating Humidity</b>	0 ~ 95% RH @40°C (non-condensing)
<b>Vibration</b>	5 ~ 500Hz, 2Grms Random (with CF/SSD)
<b>Shock</b>	Operating 15G, 11ms Non-operating 40G, 11ms (with CF/SSD)

## Ordering Information

<b>TOKIN-6123-827E</b>	Intel® Celeron® 827E industrial panel PC w/ 2GB memory
<b>TOKIN-6123-D2550</b>	Intel® Atom™ D2550 industrial panel PC w/ 2GB memory



# Dimensions



## Standard Accessories

**EPC-6300 HDD Bracket**



**2.5" HDD/SSD bracket**

**SCDB-1395**

(for TOKIN-6123-827E only)



**PCIe x1 riser card**

## Optional Accessories

**PAC-P065W**

65W AC/DC power adapter kit



**Power Input** 100 ~ 240 VAC

**Power Output** 19 VDC, 3.4A, 65W

**PAC-P120W-FSP**

120W AC/DC power adapter kit

**Power Input** 100 ~ 240 VAC

**Power Output** 19V , 5.96A, 120W

## Optional Configuration (CTOS\* Kit)

**SSD-25040**

Intel® 2.5" 40GB SATAII SSD kit



**Brand/Type** Intel / 2.5 inch

**Interface** SATAII

**Capacity** 40GB

**Dimensions (W x D x H)** 100.45 x 69.85 x 9.5 mm (3.95" x 2.75" x 0.37")

**MM-3C-2G**

**MM-3C-4G**



**DDR3-1333 2GB SDRAM**

**DDR3-1333 4GB SDRAM**

**WIFI-IN1350**



**Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm & 30cm internal wiring**

**ANT-D11**



**1 x WiFi Dual-band 2.4G/5G antenna**

\*CTOS means Configure to Order Service.