

# IPC-SP28124

› Intel® Atom™ E3845 / E3826 / J1900 Processor  
Slim and Fanless Embedded PC

## Features



- Intel® Atom™ E3845 / E3826 / J1900 processor on board
- Fanless and slim design
- 2 GbE LANs, with PoE as option
- CFAST slot
- 1 x external SD card and 1 x SIM slot
- Optional 3G module
- Optional wireless LAN module
- Wide range voltage DC In (9~36V)
- Wide range temperature (E3845/E3826 only)



## Specifications



### System

CPU Support	Intel® Atom™ E3845/E3826/J1900 processor
Memory Support	1 x DDR3L SO-DIMM up to 8GB
Watchdog	1~255 seconds watchdog timer selectable
Drive Bay	1 x 2.5" SATAII HDD or SSD drive space support
Power Input	DC In 9~36V
Power Adapter	DC In 24V, 72W or 120W (optional)
Operating System	Windows 10 IoT LTSB 2016 / Windows 8.1 / Windows 7 / WES8.1 Industry Pro / WES7 / Microsoft Azure / Ubuntu14.04
Expansion Slots	1 x CFAST slot 1 x full size mini PCIe slot (mini PCIe, USB and SIM signals) 1 x half size mini PCIe slot (mini PCIe and USB signals)
System Weight	2 kg
Dimensions	217.5 x 45 x 148mm (W x H x D)
Certifications	FCC / CE

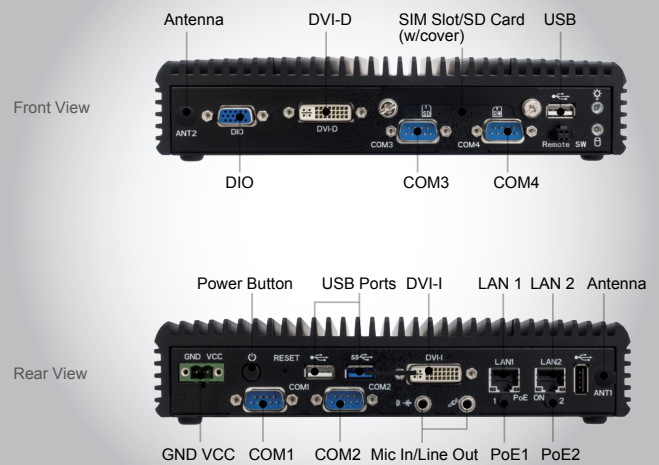
### I/O Ports (Front side)

USB	1 x USB 2.0
Serial Ports	COM3/4 for RS232
Display	1 x DVI-D
Digital I/O	4 in/4 out
SD Card Slot	1 x external SD card slot with cover
SIM Card Slot	1 x external SIM card slot with cover (optional 3G/4G module)
LED	1 x power LED, 1 x HDD LED
Antenna Hole	1 x antenna hole
Power On/Off	1 x remote switch

### I/O Ports (Rear side)

Power Input	1 x 2 pin DC In terminal block, supporting 9-36V DC
Serial Ports	COM1/2 for RS-232/422/485 selectable by BIOS, RI/5V/12V selectable by jumper)
Display	1 x DVI-I
LAN	2 x GbE LANs with PoE as option, Wake-On-LAN, PXE LAN 1: Intel® I210IT LAN 2: Intel® I210IT 2 x PoE (IEEE 802.3af), Max.15.4W each port
Audio	1 x Line Out, 1 x Mic In
USB	1 x USB 3.0, 2 x USB 2.0
LED	2 x PoE active LED (optional)
Antenna Hole	1 x antenna hole
Power On/Off	1 x power on/off button

## System Front View & Rear View



## Environment

Operating Temp. (with airflow)	HDD: 0°C~40°C (32°F~104°F)
	SSD: 0°C~45°C (32°F~113°F)
	Wide range temperature storage and peripherals: -20°C~55°C (-4°F~131°F) w/o audio and PoE, (E3845/E3826 only)
Storage Temp. Humidity	Wide range temperature storage and peripherals: -20°C~50°C (-4°F~122°F) with PoE, w/o audio, (E3845/E3826 only)
	-20°C~80°C (-4°F~176°F)
	20%~90%

## Applications

- Automation
- Retail
- Information

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