

# SP-6145

› Intel® Atom™ E3845 / J1900 Processor Fanless and Low Power 15" Panel PC



## Features



- Intel® Atom™ E3845 / J1900 processor on board
- Fanless and quiet design
- 2 x GbE LANs, with PoE as option
- 1 x external SD card and 1 x SIM slot
- Optional 3G module
- Optional wireless LAN module
- Supports wide-ranged voltage DC In (12~24V)
- Supports wide-ranged temperature (E3845 only)
- Aluminum front bezel

## Specifications



### System

|                  |   |
|------------------|---|
| CPU Type         | Intel® Atom™ E3845 / J1900 processor  |
| Chipset          | Intel® SoC  |
| Memory Support   | 1 x DDR3L SO-DIMM socket (up to 8GB)  |
| Front Bezel      | Aluminum  |
| IP65             | Yes (for front panel only)  |
| Power Input      | DC In 12~24V  |
| Watchdog         | 1~255 seconds watchdog timer selectable   |
| Operating System | Windows 10 IoT LTSB 2016 / Windows 8.1 / WES 8.1 Industry Pro / Windows 7 / WES7 / Ubuntu 14.04 |
| Dimensions       | 408 x 308 x 87.7 mm (W x H x D)   |
| System Weight    | 5.4 kg  |
| Mounting Support | Wall mount / VESA 75 / VESA 100   |
| Certifications   | FCC / CE  |

### Display

|             |   |
|-------------|---|
| LCD         | 15" TFT LCD (LED) resolution XGA 1024 x 768 |
| Touchscreen | 5-wire resistive touchscreen                |

### Applications

- Automation
- Retail
- Information

### I/O Ports

|                 |  |
|-----------------|--|
| Power Input     | 1 x 2 pin DC In terminal block, supporting 12~24V DC   |
| Power On/Off    | 1 x power on/off button  |
| USB             | 2 x USB 2.0 / 1 x USB 3.0  |
| Audio           | 1 x Line Out / 1 x Mic In  |
| Serial Ports    | 4 x COM ports<br>(COM 1/2 with RI/5V/12V by jumper setting)<br>COM 1/2 for RS-232/422/485 (selectable under BIOS)<br>COM 3/4 for RS-232              |
| LAN with PoE    | 2 x GbE LANs with PoE as option, Wake-On-LAN, PXE<br>LAN 1: Intel® I210IT<br>LAN 2: Intel® I210IT<br>2 x PoE (IEEE 802.3af), max.15.4W for each port |
| Display         | 1 x DVI-I (DVI-D+VGA)  |
| Storage         | 1 x 2.5" SATA II HDD   |
| Expansion Slots | 1 x full-sized Mini PCIe slot (Mini PCIe, USB and SIM signal)<br>1 x half-sized Mini PCIe slot (Mini PCIe and USB signal)                            |
| SD Card Slot    | 1 x external SD card slot with cover   |
| SIM Card Slot   | 1 x external SIM card slot with cover (for optional 3G module)   |

### Environment

|                 |   |
|-----------------|---|
| Operating Temp. | HDD: 0°C~40°C (32°F~104°F)<br>(Ambient with airflow) • Wide temp. storage and peripherals: -20°C~55°C (-4°F~131°F) (without Audio and PoE, for E3845 processor)<br>• Wide temp. storage and peripherals: -20°C~50°C (-4°F~122°F) (with PoE, without Audio, for E3845 processor) |
| Storage Temp.   | -20°C~80°C (-4°F~176°F)   |
| Humidity        | 20%~90%   |

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