



### Legend:

A - POWER CONNECTOR	G - PARALLEL PORT
B - LINE OUT; MIC-IN	H - EXPANSION SLOTS
C - 2x USB 2.0; 2x USB 2.0	L - HDMI
D - VGA	M - RS-232/422/485 [COM 2]
E - RS-232/422/485 [COM 1]	N - RS-232/422/485 [COM 3]
F - 2x PS/2 (KEYBOARD MOUSE)	O - GIGABIT LAN 1/2

### System:

- CPU	: Intel Celeron quad core J1900 2.0 GHz
- Chipset	: Intel Bay trail
- FSB	: 1333 MHz
- Graphics	: Intel Gen7 Graphics DX 11
- Memory type	: 2x DDR3L sodimm 1600 MHz [up to 8 GB]
- Audio	: Realtek ALC888S HD audio
- Ethernet	: 2x RTL8111G-CG gigabit ethernet

### Display:

- TFT type	: 17" color TFT LED with LED Inverter
- Resolution	: 1280x1024 pixel
- Brightness	: 250 cd/m <sup>2</sup> (typical)
- Contrast ratio	: 1000:1 (typical)
- View angle	: -85~80 (H); 88~85 (V)
- Max colours	: 16.7 Millions
- Touch type	: five wires resistive

### Input / Output connectors:

- Serial ports	: 3x RS232/422/485 ports
- USB ports	: 2x USB 2.0; 2x USB 3.0 ports
- Audio	: 2x audio jacks: 1x LINE OUT; 1x MIC IN
- Video output	: 1x VGA; 1x HDMI ports
- Ethernet	: 2x RJ45 ports
- Parallel port	: 1x LPT port
- I/O ports	: 2x PS/2 connectors (keyboard/mouse)
- Power connection	: 24 VDC terminal block (1x 3-pins) : 110 – 230 VAC standard cable

### Supported operating systems:

- Windows Seven SP1 [32 / 64 bit]
- Windows Seven Embedded Standard [32 / 64 bit]
- Windows 8.1 Industry Pro [32/64 bit]
- Windows 10 Enterprise LTSB 2016 [32/64 bit]
- Linux (Ubuntu 14 or newer) and further distros

### Expansion slots:

- 1x mini pci-e (Half Size)
- 1x mSATA (Full Size)
- 1x PCI slot or 1x PCI-e (x1) slot with riser cards (optionals)

### Power specification:

- Rated input voltage	: 24 VDC	110 – 230 VAC
- Input voltage limit:	: 9.....29 VDC	90.....264 VAC
- Power consumption	: 28 W (typical consumption)	

### Generic specifications:

- Dimension	: 483x356x155 (L x H x W)
- Weight	: 9 Kg
- Materials	: anodized aluminium (panel) : galvanized (case)
- Cooling type	: fanless
- Protection grade	: IP 66 (frontal)
- Mounting type	: rack mounting (9 units) : fixing holes system
- Operating temperature	: 0 °C - +50 °C (80% humidity, no condensing)

### Order options:

- Storage: 2x HDD/SSD
- Memory module size: 2GB or 4GB DDR3L sodimm 1600 MHz
- Expansion slots: Riser card with 1x PCI slot or with 1x PCI-e (x1) slot [*]
- Additional WI-Fi module [PCI / mini PCI-e half size device]
- Additional PCI-e / PCI devices [by request]
- Glass-film-glass resistive touchscreen
- External USB 2.0 DVD-RW recorder
[*] 1x additional slot only