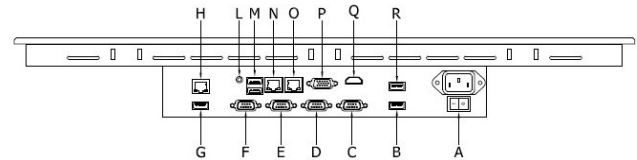


Legend:

A - POWER CONNECTOR	M - 2x USB 3.0
B - USB 2.0	N - GIGABIT LAN 1
C - RS-232 [COM 3]	O - GIGABIT LAN 2
D - RS-232/422/485 [COM 1]	P - VGA
E - RS-232 [COM 2]	Q - HDMI
F - RS-232 [COM 4]	R - USB 2.0
G - USB 2.0	S - C-FAST READER [OPTIONAL]
H - GIGABIT LAN 3 [OPTIONAL]	T - REMOVABLE HD/SSD [OPTIONAL]
L - LINE OUT	



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	: 1x DDR3L sodimm 1600 MHz [up to 8 GB]
- Audio	: Realtek ALC888S HD audio
- Ethernet	: 2x Realtek 8111G-CC gigabit ethernet

Display:

- TFT type	: 21.5" color TFT LCD with LED backlight
- Resolution	: 1920x1080 pixel
- Brightness	: 250 cd/m ² (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 RS-232; 1x RS-232/422/485 ports [-]
- USB ports	: 3x USB 2.0; 2x USB 3.0; 1x USB 2.0 [frontal]
- Audio	: 1x audio jack: LINE OUT
- Video output	: 1x VGA [female]; 1x HDMI connectors
- Ethernet	: 2x RJ45 ports
- Power connection	: 24 VDC terminal block (1x 3-pins) : 110 – 230 VAC standard cable

[-] 1x RS-232 and 1x RS-232/422/485 com ports are not present adding the optionals 2x RS-422/485 opto-isolated com ports

Support operating system:

- 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 mini PCI-e (Full Size) shared with mSATA
- 1x mSATA slot (Full Size) shared with SATA2 connector

Power specification:

- Rated input voltage	: 24 VDC	110 – 230 VAC
- Input voltage limit:	: 9.....36 VDC	90.....264 VAC
- Power consumption	: 29 W (typical consumption)	

Generic specifications:

- Dimension	: 579x367x70 mm (L x H x W)
- Weight	: 7,7 Kg
- Technology construction	: true flat
- Materials	: anodized aluminium (panel) : galvanized (case)
- Cooling type	: fanless
- Protection grade	: IP 66 (frontal)
- Mounting type	: panel mount with retaining clips
- Operating temperature	: 0 °C - +50 °C (80% humidity, no condensing)

Order options:

- Storage: 2x HDD/SSD [*]
: 1x C-Fast (16 GB, 32GB) [*]
 - Memory module size: 2GB, 4GB or 8GB DDR3L sodimm 1600 MHz
 - Additional Intel 82574L gigabit ethernet [mini PCI-e, full-size module]
 - Additional WI-Fi ethernet [mini PCI-e, half-size module]
 - Additional mini PCI-e modules on demand
 - Additional 2x RS-422/485 opto-isolated com ports [mini pci-e, full size] [-]
 - External USB 2.0 DVD-RW recorder
- [*] - Cannot be installed together