



### Legend:

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

### System:

- CPU : Intel Core i3-4010U 1.7 GHz, i5-4300U 1.9 GHz
- Chipset : Intel Haswell ULT
- Graphics : Intel HD Graphics
- Memory type : 1x DDR3L sodimm 1600 MHz [up to 8 GB]
- Ethernet : 1x Realtek 8111G-CC gigabit ethernet  
: 1x Intel 218LM gigabit ethernet

### Input / Output connectors:

- Serial ports : 2x RS-232; 2x RS-232/422/485 ports [-]
  - USB ports : 4x USB 3.0; 2x USB 2.0; 1x USB 2.0 [frontal]
  - Video output : 2x HDMI connectors
  - Ethernet : 2x RJ45 ports
  - Power connection : 24 VDC terminal block (1x 3-pins)  
: 110 – 230 VAC standard cable
- [-] 2x RS-232/422/485 com ports are not present adding the optionals  
2x RS-422/485 opto-isolated com ports

### 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
- 2x SATA II connectors (raid 0/1 configurations)

### Generic specifications:

- Dimension : 335x270x81,5 mm (L x H x W)
- Weight : 3,5 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)

### Display:

- TFT type : 12.1" Color TFT LCD with LED Inverter
- Resolution : 800x600 pixel or 1024x768
- Brightness : 450 cd/m<sup>2</sup> or 500 cd/m<sup>2</sup> (typical)
- Contrast ratio : 700:1 (typical)
- View angle : -80~80 (H); 65~75 (V) | -80~80 (H); 80~80
- Max colours : 16.7 Millions
- Touch type : Five wires resistive

### 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

### Power specification:

- Rated input voltage : 24 VDC 110 – 230 VAC
- Input voltage limit: : 9.....36 VDC 90.....264 VAC
- Power consumption : 25 W (typical consumption)

### 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