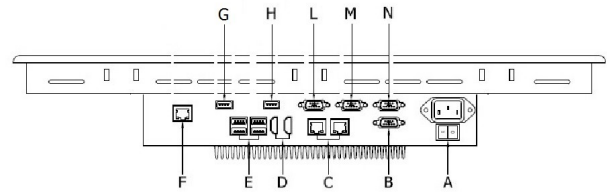


### Legend:

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

### Display:

- TFT type	: 18.5" color TFT LCD with LED inverter
- Resolution	: 1366x768 or 1920x1080 pixel
- Brightness	: 300 or 350 cd/m <sup>2</sup> (typical)
- Contrast ratio	: 1000:1 (typical)
- View angle	: 170~170 (H); 178~170 (V)
- Max colours	: 16.7 Millions
- Touch type	: projected capacitive

### Input / Output connectors:

- Serial ports	: 2x RS-232; 2x RS-232/422/485 ports [-]
- USB ports	: 4x USB 3.0; 2x USB 2.0
- 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

### 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	: 40 W (typical consumption)	

### Generic specifications:

- Dimension	: 500x320x75 mm (L x H x W)
- Weight	: 7,5 Kg
- Materials	: 3 mm temperate glass (cover) : 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	