

OPC-1562/1852

15.6"/18.5" Widescreen Fanless Open Frame Touch Panel PC
with Intel® Apollo Lake SoC Processor, Pentium® N4200



- 15.6" / 18.5" 16:9 Widescreen LCD Display
- 5-wire resistive or 10-point PCT touch panel
- Intel® Apollo Lake SoC Processor, Pentium® N4200
- 2x DDR3L SO-DIMM memory socket
- 1x HDMI, 1xDP for video output
- 2x GbE LAN for Ethernet
- 4x USB3.0, 2x RS-232/422/485 for peripheral connection
- 1x 2.5" SATA3.0 HDD / SSD for storage
- 1x mPCIe, 1x M.2 Key B for expansion
- Fanless design



Product Overview

OPC-1562/1852 is a fanless open frame panel PC powered by Intel® Apollo Lake Processor, Pentium® N4200. It can be immediately integrated in many applications such as digital signage, kiosk and HMI automation. Besides a 15.6" / 18.5" widescreen display, it is equipped with 1x DP and 1x HDMI for additional video output.

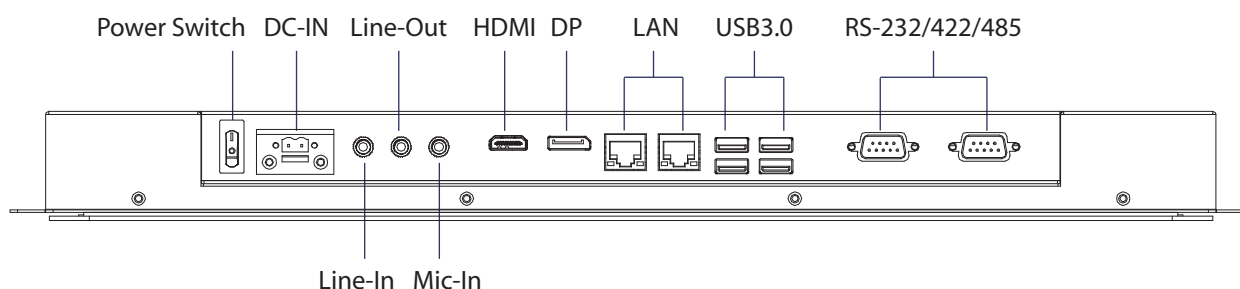
Touch screen can use either 5-wire resistive single-touch or 10-point PCT multi-touch panel depending on applications or requirements. The device reserves one mPCIe slot and one M.2 Key B slot, allowing users to install interface cards for specific application and connectivity.

Technical Information

CPU Support		
Intel® Pentium® N4200 (Quad Core, 2M Cache, up to 2.50 GHz, FCBGA1296, 6W TDP)		
Memory		
2x DDR3L 1867 SO-DIMM Socket		
Graphic Controller		
Intel® HD Graphics 505		
Display Panel		
	OPC-1562	OPC-1852
Size	15.6 inch	18.5 inch
Aspect Ratio	16:9	16:9
Backlight	LED	LED
Resolution	1366 x 768 WXGA	1366 x 768 WXGA
Brightness (cd/m², typ.)	300	300
Construct Ratio (typ.)	500:1	1000:1
Color	262K / 16.7M	16.7M
Viewing Angle (L/R/H/L)	80°, 80°, 80°, 80°	85°, 85°, 80°, 80°
Touch	5-w resist. / 10pt PCT	5-w resist. / 10pt PCT
Display Interfaces		
1x HDMI (3840 x 2160 @ 30Hz, on rear) 1x DP (4096 x 2160 @ 60Hz, on rear)		
Multiple Display		
Triple		
Audio Chipset		
Realtek ALC662		
Audio Interfaces		
1x Line-in (on rear) 1x Line-out (on rear) 1x Mic-in (on rear)		
Ethernet		
2x GbE LAN (RJ-45 on rear, Intel® I210-A1)		
USB		
4x USB3.0 (Type A on rear)		
Serial Ports		
2x RS-232/422/485 (DB9 on rear, auto flow control function for RS-485)		

Storage & Expansion	
1x 2.5" SATA3.0 HDD / SSD 1x mPCIe (full size) 1x M.2 Key B (mixed w/ USB2.0 / SATA type 22x42) 1x SIM Card Cage (optional, switchable between mPCIe and M.2)	
Power Supply	
Connector: Phoenix Connector (on rear) Input Voltage: DC 12V Power Adapter: AC to DC, 100V ~ 240V	
Firmware	
BIOS: AMI uEFI BIOS w/ 128Mb SPI Flash Watchdog: Programmable WDT to generate system reset event H/W Monitor: Voltages, Temperatures Real Time Clock: Processor integrated RTC TPM: optional (Infineon SLB 9665 TPM 2.0)	
System Control & Monitoring	
1x Power Switch (on rear)	
Cooling	
Fanless	
OS Support	
Windows 10, Linux	
Construction	
Open Frame Metal Chassis	
Dimensions (W x H x D)	
425.1 x 272.6 x 40 mm / 16.74" x 10.73" x 1.57" (OPC-1562) 491.6 x 312.5 x 40 mm / 19.35" x 12.30" x 1.57" (OPC-1852)	
Weight	
TBD	
Mounting	
VESA Mount, Panel Mount	
Environmental Characteristics	
Operation Temp.: 0°C ~ 50°C / 32°F ~ 122°F Storage Temp.: -20°C ~ 60°C / -4°F ~ 140°F Humidity: 0% ~ 95%	
Certification	
CE, FCC Class A	

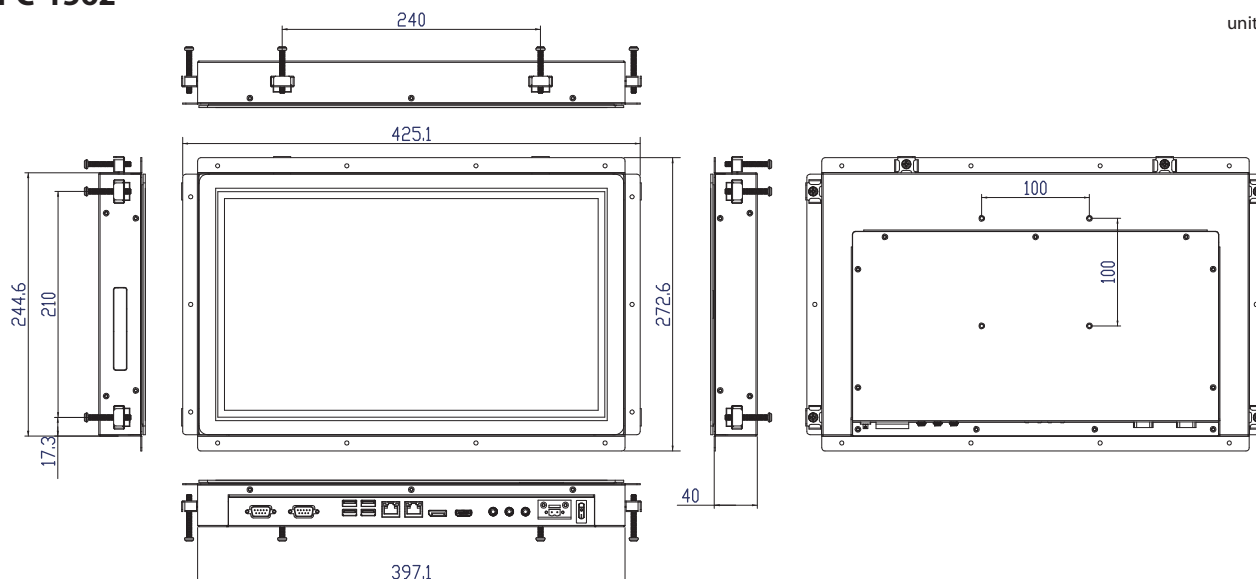
OPC-1562/1852 I/Os



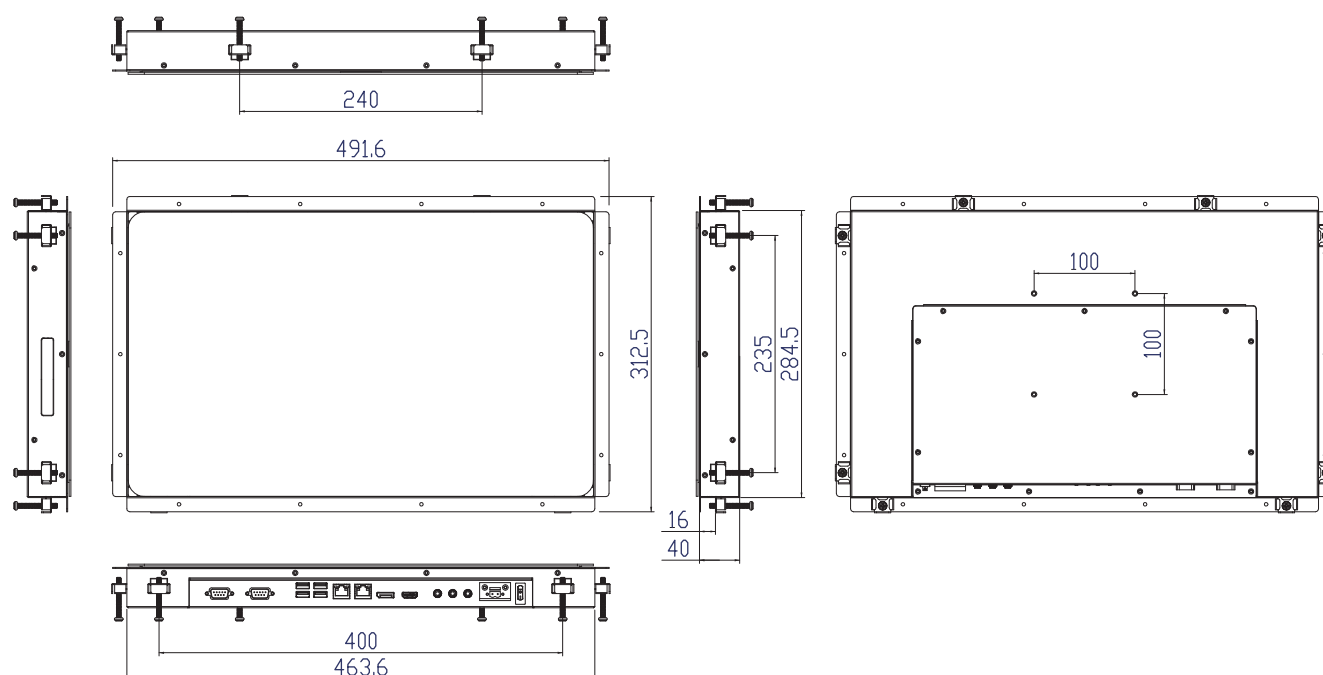
Dimension

OPC-1562

unit: mm



OPC-1852



Ordering Information

Article	Part No.	Description
OPC-1562		15.6" 16:9 screen, Intel® Pentium® N4200, 2x DDR3L SO-DIMM, 1x HDMI, 1x DP, 2x GbE, 4x USB3.0, 2x RS-232/422/485, 1x 2.5" SATA3.0 HDD / SSD, 1x mPCIe, 1x M.2
OPC-1852		18.5" 16:9 screen, Intel® Pentium® N4200, 2x DDR3L SO-DIMM, 1x HDMI, 1x DP, 2x GbE, 4x USB3.0, 2x RS-232/422/485, 1x 2.5" SATA3.0 HDD / SSD, 1x mPCIe, 1x M.2