

PPC-1500/1700/1900

15"/17"/19" Fanless Multi-touch Bezel-Free Flat Panel PC
with Intel® Celeron® N3160 Processor



- 15"/17"/19" 10-point PCT multi-touch LCD Display
- Intel® Braswell Processor, Celeron® N3160
- Intel® HD Graphics 400
- 1x DDR3L 1600 SO-DIMM up to 8GB
- 1x 2.5" SATA HDD / SSD, 1x micro SD Card Cage for storage
- 1x DP, 1x HDMI for video output
- 4x USB3.0, 4x COM for peripheral connection
- 2x LAN, 2x mPCIe for network connection / expansion
- IP65-rated front panel design
- Glass hardness of 6H

Product Overview

PPC-1500/1700-1900 is a 15/17/19-inch fanless 10-point PCT multi-touch bezel-free flat panel PC equipped with Intel® Braswell Quad Core Processor, Celeron® N3160. It boasts a friendly multi-touch interface for fast / intuitive and even multi-user operation.

It supports triple-display function with 2 additional video output interfaces: 1x HDMI and 1x DP. In addition to a

variety of I/O ports, it reserves 2 mPCIe slots for wireless connection or possible function expansion.

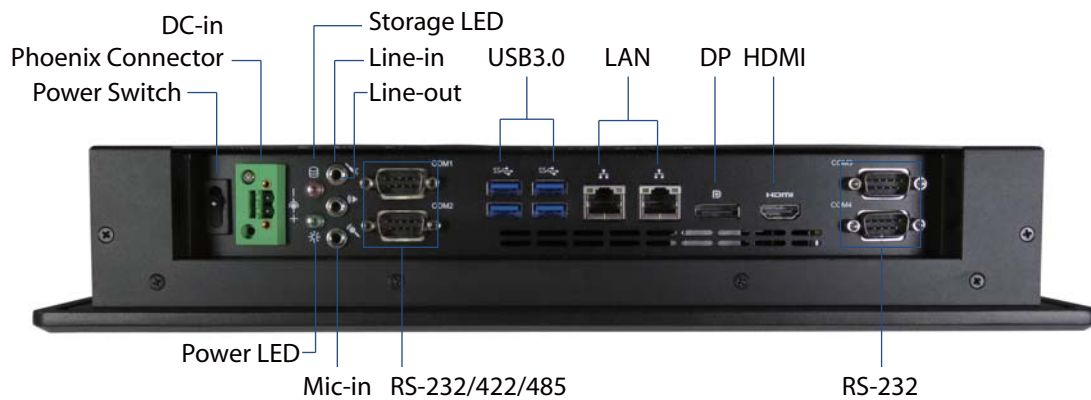
Enclosed in a rugged compact housing as well as IP65-rated front panel design and 6H hardness surface, PPC-1500/1700/1900 provides excellent resistance to for harsh environments. It is therefore highly suited to a wide range of industrial applications.

Technical Information

Processor			
Intel® Celeron® N3160 (Quad Core, 2M Cache, up to 2.24 GHz, FCBGA1170 Socket, 6W TDP)			
Memory			
1x DDR3L 1600 SO-DIMM up to 8GB			
Storage			
1x 2.5" SATA HDD / SSD 1x Micro SD Card Cage			
Graphics Controller			
Intel® HD Graphics 400			
LCD Display	PPC-1500	PPC-1700	PPC-1900
Size	15"	17"	19"
Aspect Ratio	4:3	5:4	5:4
Backlight	LED	LED	LED
Resolution	1024 x 768 XGA	1280 x 1024 SXGA	1280 x 1024 SXGA
Brightness (cd/m², typical)	350	350	250
Contrast Ratio (typical)	600:1	1000:1	1000:1
Color	16.2M	16.2M	16.7M
Viewing Angle (L, R, H, V)	45°, 45°, 20°, 45°	85°, 85°, 80°, 80°	85°, 85°, 80°, 80°
Touch	10-point PCT	10-point PCT	10-point PCT
Display Interfaces			
1x HDMI (on rear, 2560 x 1600 @ 60Hz) 1x DP (on rear, 3840 x 2160 @ 30Hz / 2560 x 1600 @ 60Hz)			
Audio Chipset			
Realtek ALC662			
Audio Interfaces			
1x Line-in (on rear) 1x Line-out (on rear) 1x Mic-in (on rear)			
Ethernet			
2x LAN (RJ-45 on rear, Intel® I210-AT)			
USB			
4x USB3.0 (Type A on rear)			
Serial Ports			
2x RS-232/422/485 (DB9 on rear) 2x RS-232 (DB9 on rear)			

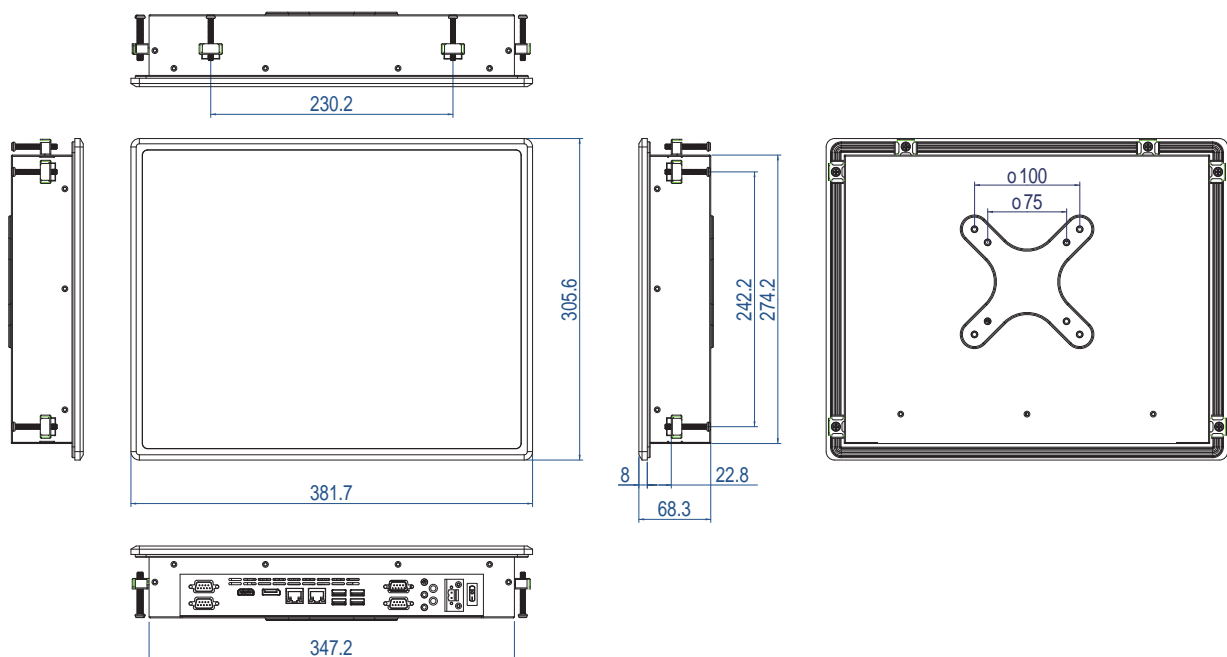
Expansion	
2x mPCIe (1x full size, 1x half size)	
Power Supply	
Connector: Phoenix Connector (on rear) Input Voltage: DC 12V	
BIOS	
BIOS: AMI uEFI BIOS Watchdog: Programmable WDT to generate System reset event H/W Monitor: Voltages, Temperatures Real Time Clock: SoC integrated RTC TPM: optional (Infineon SLB 9635 TPM 1.2)	
System Control & Monitoring	
1x Power Switch (on rear) 1x Power LED (on rear) 1x HDD LED (on rear)	
Cooling	
Fanless	
OS Support	
Windows, Linux	
Construction	
Glass Surface + Ultra-narrow Aluminum Front Bezel + Metal Chassis	
Dimension (W x H x D)	
PPC-1500: 381.7 x 305.6 x 68.3 mm / 15.03" x 12.03" x 2.69" PPC-1700: 413.0 x 343.9 x 70.3 mm / 16.26" x 13.54" x 2.77" PPC-1900: 447.32 x 372.06 x 70.3 mm / 17.61" x 14.65" x 2.77"	
Weight	
PPC-1500 Series: 4.9 kg / 10.80 lb PPC-1700 Series: 5.7 kg / 12.57 lb PPC-1900 Series: 6.7 kg / 14.77 lb	
Environmental Characteristics	
Operation Temperature: 0°C ~ 45°C / 32°F ~ 113°F Storage Temperature: -20°C ~ 70°C / -4°F ~ 158°F Humidity: 0% ~ 95%	
Mounting	
VESA Mount, Panel Mount	
Certification	
CE, FCC Class A, IP65 (Front)	

PPC-1500/1700/1900 I/Os

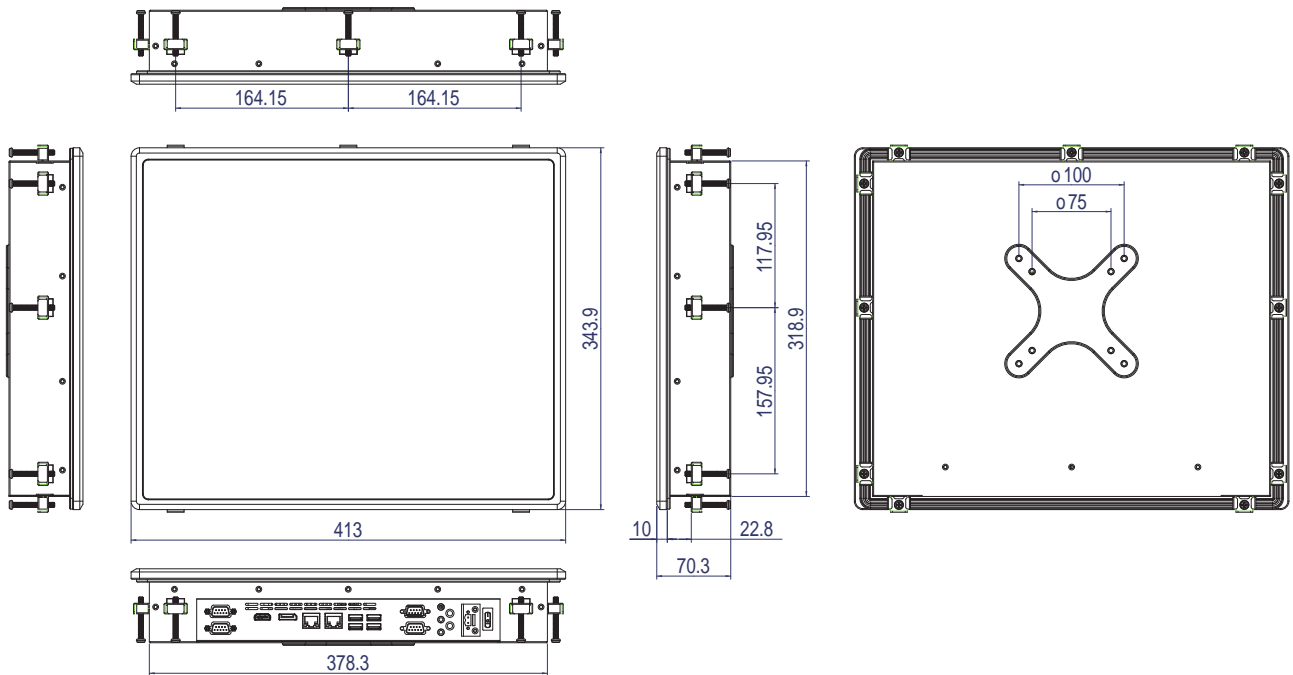


Mechanical Dimensions

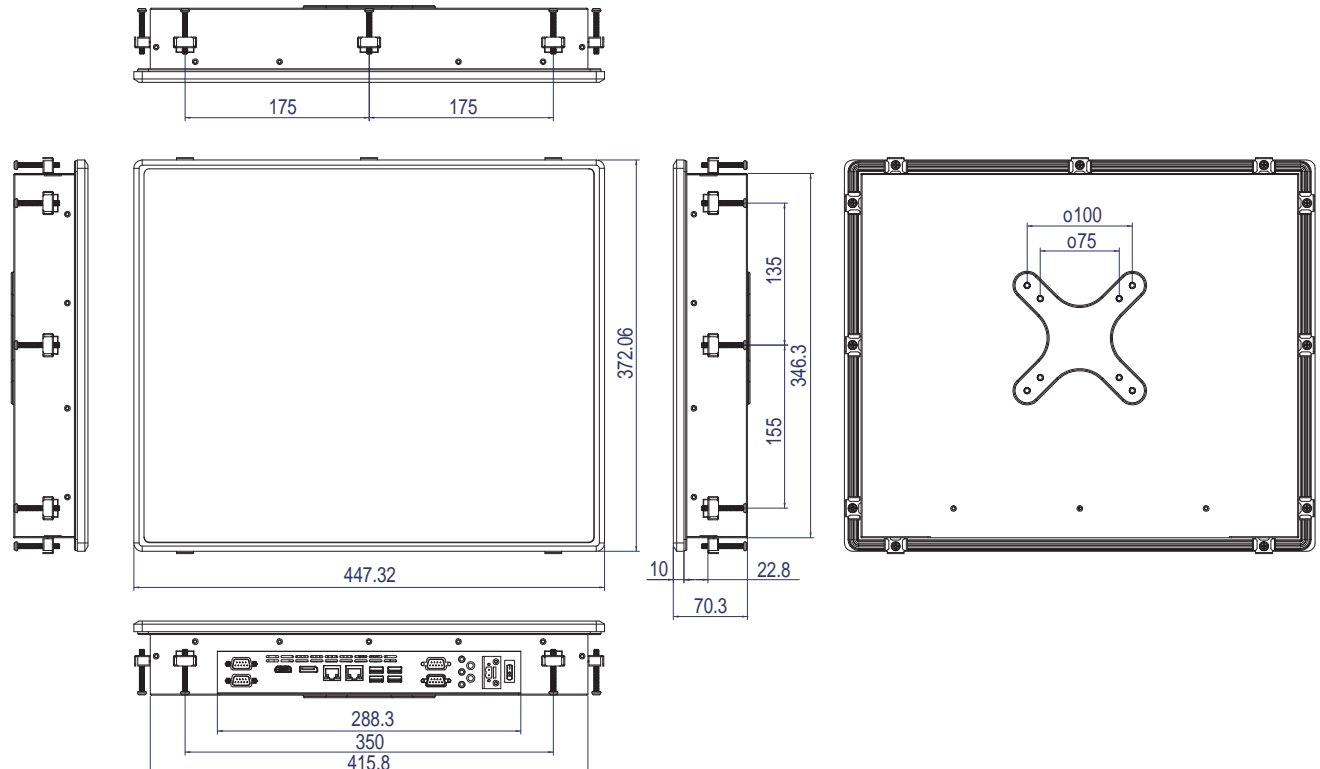
PPC-1500



PPC-1700



PPC-1900



Ordering Information

Article	Part No.	Description
PPC-1500		15" 10pt PCT, Intel® Celeron® N3160 Processor, 1x HDMI, 1x DP, 2x LAN, 4x USB3.0, 2x RS-232/422/485, 2x RS-232, 2x mPCIe and 3x Audio jack
PPC-1700		17" 10pt PCT, Intel® Celeron® N3160 Processor, 1x HDMI, 1x DP, 2x LAN, 4x USB3.0, 2x RS-232/422/485, 2x RS-232, 2x mPCIe and 3x Audio jack
PPC-1900		19" 10pt PCT, Intel® Celeron® N3160 Processor, 1x HDMI, 1x DP, 2x LAN, 4x USB3.0, 2x RS-232/422/485, 2x RS-232, 2x mPCIe and 3x Audio jack

Optional Accessories

Product Name	Part No.	Description
VESA Mounting Kit		Hole pattern: 100 x 100 mm & 75 x 75 mm, dimension: 110 x 110 mm