

Features

- Hassle-free, ready to use hardware for your application
- Edge-to-edge glass IP65 rated
- 10-finger multitouch touch screen Panel
- Intel Celeron J1900 CPU, Intel HD Graphics 1280x1024
- 4GB RAM expandable to 8GB
- 64GB Solid State Drive (SSD)
- 32Bit and 64Bit support, Linux and Win 7 Embedded
- Integrated Wi-Fi (Intel 533AN)
- 2 × 10/100/1000 Mbps RJ45 ports
- 2 x RS232/485 ports
- Audio amplifier with 2x2w speaker
- VESA 100 bracket for mounting metal stand included



Description

TPC-190 is IP65 Front Capacitive Touchscreen PC (TPC) with silent fanless operation and high reliability. The TPC features a sleek modern appearance. Flat edge to edge glass with a silicone rubberized seal ensures the front panel is water proof and dust proof meeting the requirements of IP65 standards. The back has a sturdy aluminum case manufactured out of a continuous casting mold with stable VESA-100 fixation bolts offering numerous industrial and consumer connectors like four serial ports, eight GPIOs or USB 3.0.

The heart of the TPC is industrial mainboard with the powerful but fanlessly cooled Intel Celeron J1900 QuadCore processor with up to 2.42GHz Core speed, equipped with 4GB RAM, 64G SSD and Intel’s HD Graphic chipset, supporting DirectX 11.1 Full HD and OpenGL 4.0.

Anti Glare chemically etched surface treatment, 10-finger multitouch and unlimited touches without failure on the touch panel are class leading features. As an option, customers can chose optical bonding and high brightness panels to further improve the visual impression of the product. Industrial TPC ensure the performance and stability required for long term operation in demanding environments.

Specification

Anti-glare LCD Panel	
IP Rated Front Panel	IP65
Screen diagonal (Inch/cm):	21.5/54.69
Display active screen size:	47.70×26.80
Aspect ratio:	5:4
Physical resolution:	1280x1024
Maximum showable resolution (TPCs: external):	1920×1200
Colours displayed:	16.7M
Brightness (cd/m2):	250
Contrast:	1000:1
Typical reaction time Tr/ Tf (ms):	1.5/3.5
Visual Angle horizontal/vertical (°):	170/160
Backlight / Backlight Lifetime (hours):	LED / 40,000

Touch Panel	
Touch Technology	Projected Capacitive 10-Point Multitouch
Touch Connector	USB
Touch Panel Drivers	Windows; Linux; Mac; Android
Touch Life (Contacts)	Unlimited
Surface Hardness	7H

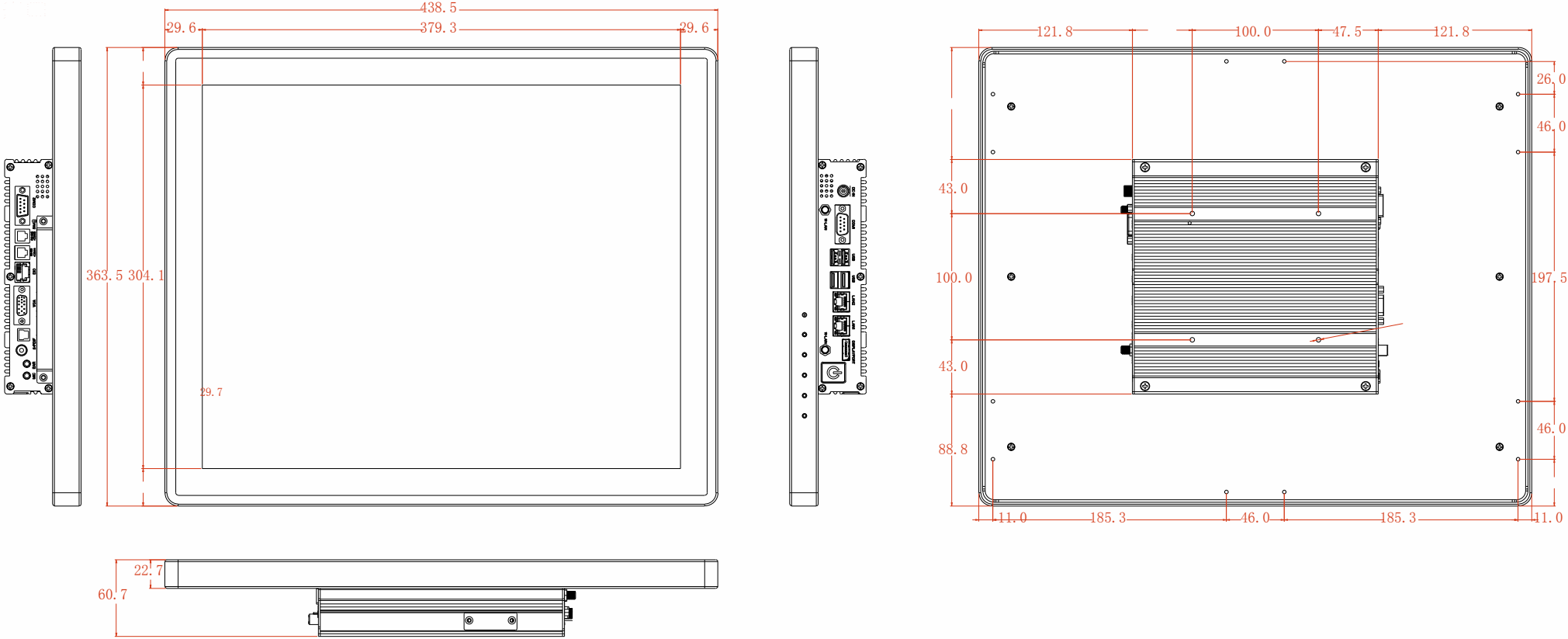
Power	
Power Indicator	Green LED
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	12
Power Consumption (W)	34
Stand-By Consumption (W)	<1.0

PC System	
CPU	Intel® Celeron™ QuadCore J1900
Chipset	Intel® E3800
Graphic GPU	Intel® HD Graphics
Audio	Realtek 887 8 -channel high def nition audio codec, Audio Amplif er EUA 2012A
Memory	1x 4GB DDR3L SODimm (expandable to 8GB)
Storage	faytech Industrial 64GB SSD
W-LAN	2x Realtek PCIe GB LAN 8111G
Driver Support	Win7/8/10; Linux; 32Bit/64Bit
Preinstalled OS	Win7 Embedded Standard

External Connectors
1x Display port; 1x VGA-out (from internal header)
1x USB 3.0, 3x USB 2.0 ports
2x COM port Full-PIN (RS232/485; 5V/12V)
2x COM port 3-PIN (RX, TX, GND; RS232/485 switchable)
2× 10/100/1000Mbit RJ45 Ports; 2x W-LAN con- nector
S/PDIF-Out (1x Cinch, 1x Torx)
MIC-In, EAR-Out; 8x In/Out GPIO as RJ45
1x 12V DC-In (screwable)
1x On/Off-button; 1x Button-Line with On/Off + 4 GPIO-buttons on front panel

Operation / Mechanical	
Operating Temperature (°C)	-10 ~ +60
Humidity Range (RH)	10% - 90%
Net weight (kg)	5.15
Gross weight (kg)	6.70 (incl. cartonage)
Housing material	Rubber front case, Aluminum IPC back case
Housing (cm) LxWxH	36.35 × 43.85 × 6.07
Mounting	VESA 100

Dimension



Ordering Info

Product name	19 ” Capacitive Touch PC
Article code	TPC-190J1900W-APP