

Features

- Fabless operation without moving parts
- Edge-to-edge glass IP65 rated
- 10-finger multitouch touch screen Panel
- Intel Celeron Quad CPU, Intel HD Graphics 1920x1080
- 4GB RAM expandable to 8GB
- 64GB Solid State Drive (SSD)
- 32Bit and 64Bit support, Linux and Win 7 Embedded
- 2 x W-LAN connector
- 2 × 10/100/1000 Mbps RJ45 ports
- 1 x RS232/485 ports
- 1 x USB 3.0 and 3xUSB 2.0 ports
- Higher brightness up to 2500 Nits



Description

TPC-420 is IP65 Front Capacitive Touchscreen PC (TPC) with silent fanless operation and high reliability. The TPC features a sleek modern appearance. Large format Multi-touch PC looks great in many industrial and commercial applications. Each model is built for reliability and extended service. An industrial HD LCD panel with energy saving LED technology, A+ quality wide viewing angle and 10-finger capacitive multi-touch panel, makes these perfect interactive Touch PC for digital signage, interactive visualisations and industrial applications.

The heart of the TPC is industrial mainboard with the powerful but fanlessly cooled Intel QuadCore processor. Device is 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):	42/106.73
Display active screen size:	93.02x52.33
Aspect ratio:	16:9
Physical resolution:	1920x1080
Maximum showable resolution (TPCs: external):	1920x1200
Colours displayed:	16.7M
Brightness (cd/m2):	360
Contrast:	1400:1
Typical reaction time Tr/ Tf (ms):	6/8
Visual Angle horizontal/vertical (°):	178/178
Backlight / Backlight Lifetime (hours):	LED / 50,000

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

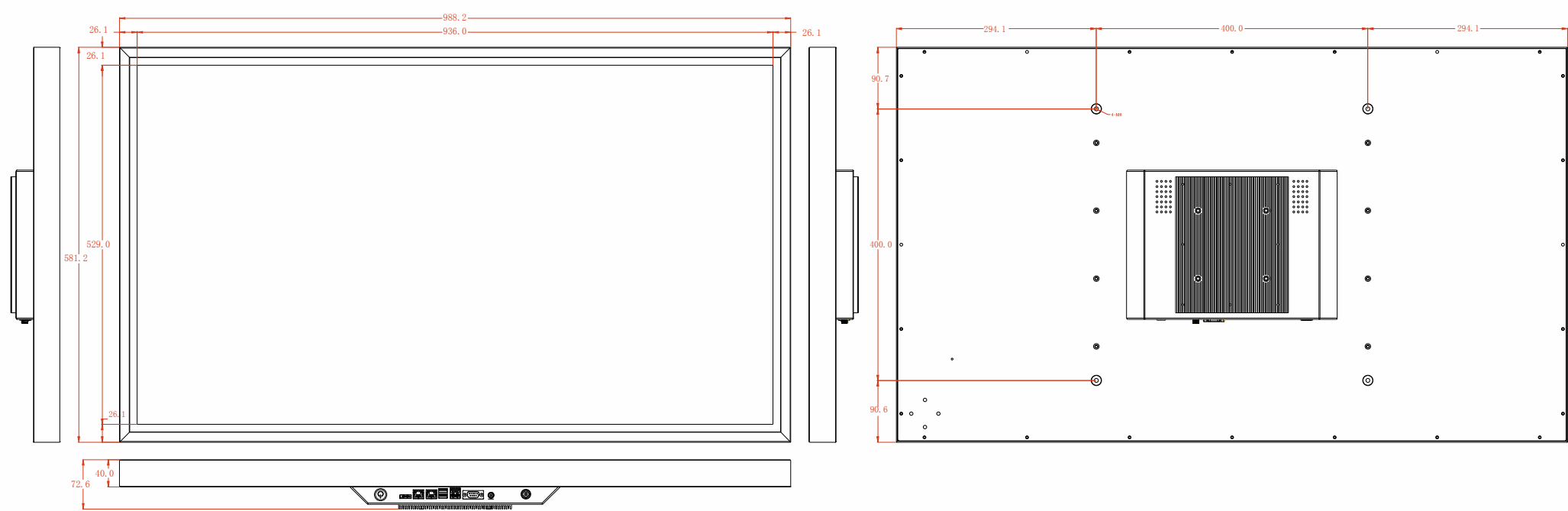
Power	
Power Indicator	Green LED
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	24
Power Consumption (W)	90
Stand-By Consumption (W)	<0.5

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 connector
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)	20% - 90%
Net weight (kg)	21.00
Gross weight (kg)	36.00 (incl. cartonage)
Housing material	Aluminium
Housing (cm) LxWxH	98.80 × 58.20 × 7.30
Mounting	VESA 100

## Dimension



## Ordering Info

Product name	42" Capacitive Touch PC
Article code	TPC-420J1900W-APP