19" Capacitive Touch PC

faytech

- **Intel® Celeron™ QuadCore J1900 CPU**
- **4GB RAM (expandable to 8GB)**
- **64GB faytech Industrial SSD**
- **Supports Win7/8/10, Linux (32Bit, 64Bit)**
- **Reinforced front glass, anti-glare surface treatment (chemically etched)**
- **Extensive industrial and consumer interfaces**
- **10-Finger-Multi Touch Capacitive Touch Panel**
- **Patented IP65 front with silicon seal**
- **Audio amplifier with speakers**
- **VESA 100 Mounting**
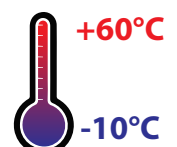- **Integrated W-LAN**
- **2 years guarantee**

faytech's Capacitive PC series stands out among competition with its fanless silent operation, IP65 front panel design, high reliability and fine craftwork.

The Touch PC features a sleek modern appearance. Flat edge to edge glass with patented silicone rubberized seal makes sure the front panel is water- and dust proof to meet the IP65 standards. The aluminum back case, manufactured out of a continuous casting mold, provides stable VESA 100 fixation, and various connectors e.g. four serial ports, eight GPIOs or USB 3.0.

The heart of Capacitive Touch PC series is fay-002 industrial mainboard powered by Intel® Celeron™ J1900 QuadCore processor with up to 2.42 GHz frequency, 4G RAM, 64G SSD and Intel's® HD Graphic chipset, supporting Full HD, Direct X 11.1 and OpenGL 4.0.

The capacitive touch panel is inhouse developed by faytech's experienced engineers. Anti glare chemically etched surface treatment, 10-finger multitouch and unlimited touches without failure on the touch panel are class leading features. Behind that touch panel is a faytech´s A+ LCD panel, ensuring that there is not even a single sub-pixel defect. As an option, customers can choose optical bonding and high brightness panels to further enhance the using experience of the product.

faytech's Capacitive Touch PCs provide best performance and stability during long term operation in present demanding manufacturing, commercial, and retail environments.
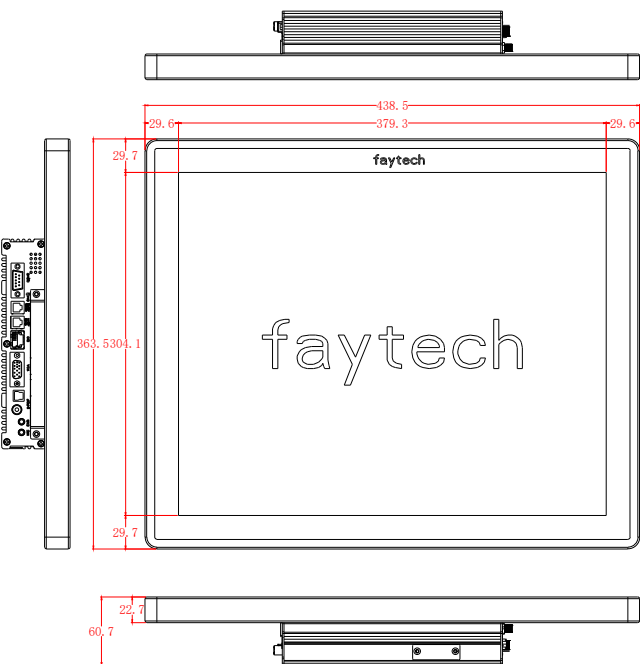
FANLESS · W-LAN · SUPERSPEED CERTIFIED USB · USB UNIVERSAL SERIAL BUS · +60°C -10°C

Product name	19" Capacitive Touch PC
Article code / EAN number	FT19J1900W4G64GCAP / 6920734019502

LCD Panel

IP rating	IP65 Front / IP40 Back
Screen diagonal (Inch/cm)	19/48.26
Display active screen size (cm)	37.93×30.41
Aspect ratio	5:4
Physical resolution	1280×1024
External Maximum showable resolution - DP, VGA	1920×1200
Colours displayed	16.7M
Brightness (cd/m^2)	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

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) L × W × H	36.35 × 43.85 × 6.07
Mounting	VESA 100

Internal Connectors

1x SO-DIMM Slot, max. 8GB, DDR3L-1333 Single channel memory

1x 12V DC power connector (2-pin); 1x 4-pin SATA power connector

2x S-ATA 3GB/s ports; 1x 5-pin LCD power connector

1x VGA pin header; 1x SIM-card-Header (connected to MiniPCIe); 1x LVDS connector

1x S/PDIF output pin header

1x 4-pin (2x2W) audio amplifier connector

1x PS/2 keyboard/mouse connector (6-pin)

1x USB 2.0 header supports additional 4x USB 2.0 ports

3x RS232/RS485 COM connectors, switchable between RS232/RS485 in BIOS

1x 8-bit Digital I/O interface

1x Chassis Fan connector

PC System

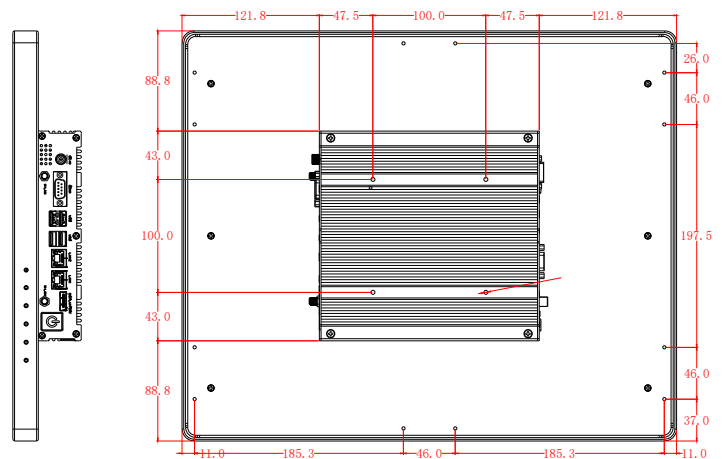|	
CPU	Intel® Celeron™ QuadCore J1900
Chipset	Intel® E3800
Graphic GPU	Intel® HD Graphics
Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A
Memory	1x 4GB DDR3L SODimm (expandable to 8GB)
Storage	faytech Industrial 64GB SSD
Network	2x Realtek PCIe GB LAN 8111G
Driver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

Touch Panel

Touch Technology	Projected Capacitive 10-Point Multitouch
Touch Connector	USB
Touch Life (Contacts)	Unlimited
Surface Hardness	7H
Surface Treatment	Anti-glare (chemical etched)

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

External Connectors

1x 12V DC-In (screwable)

1x DisplayPort; 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)

2x 10/100/1000Mbit RJ45 Ports; 2x W-LAN connector

1x S/PDIF-Out (1x Cinch, 1x Torx)

1x MIC-In & EAR-Out; 8x In/Out GPIO as RJ45

1x Button-Line with On/Off + 4 GPIO-buttons on front panel

1x 2.5" module slot, changeable SSD included

Expansion slots

2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable)

1x PCIeX1 Straddle connector

Included in the Delivery

Power Supply (see Power section)

Driver DVD

Short Installation Manual

Standard Stand

W-LAN Antenna