24" Capacitive Touch PC N4200

FT24N4200CAPOB

faytech

Yes ☑
No ☐

Supports Clamps

CLEAR BOND

Optically Bonded

- **Intel® Pentium® N4200 QuadCore CPU**
- **4GB RAM memory, 128GB Industrial SSD**
- **Supports Windows 10 & Linux (32Bit, 64Bit)**
- **Anti-glare surface treatment (chemical etching)**
- **10-Finger-Multi Touch Capacitive Touch Panel**
- **1.1mm cover glass with 7H surface hardness**
- **Optically bonded Touch Panel to LCD Panel**
- **Patented IP65 front with silicon seal**
- **Integrated W-LAN**
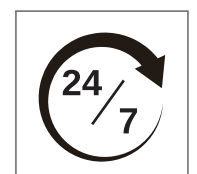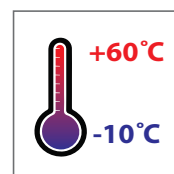- **2 year guarantee (24/7 usage)**

24"
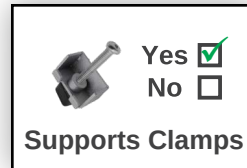
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faytech's Capacitive PC series stands out among competition with its fanless silent operation, IP65 front panel design, high reliability and fine craftwork.

This device is made for 24/7 operation and is the perfect choice for industrial and business applications. It has flat edge to edge glass with IP65 water- and dust proof front panels and a sturdy aluminum case with stable VESA 100 fixation bolts.

The PC is powered by faytech's industrial Apollo Lake mainboard. It is driven by the powerful Intel® Pentium® N4200 QuadCore processor with up to 2.50 GHz clock frequency. This version is equipped with 4GByte RAM, 128G SSD and Intel's HD Graphic chipset, supporting FullHD, DirectX 11.1 and OpenGL 4.0.

These faytech PCs are the perfect choice for a wide variety of applications including POS systems, control panels in industrial fields, in kiosk systems, office/residence automation, digital signage and in areas like shopping malls, classrooms, hotels and many more.

Legend / Notes	
Applicable to version 3	(v3)
Applicable to version 4	(v4)
Applicable to all Versions	None

USB UNIVERSAL SERIAL BUS

SUPERSPEED CERTIFIED **USB**

W-LAN

+60℃ -10℃

24/7

Product name				24" Capacitive Touch PC N4200			
Model number / EAN number				FT24N4200CAPOB / 6920734000333			
Global Article Code	European Article Code	Release date (D/M/Y)	Version	Global Article Code	European Article Code	Release date (D/M/Y)	Version
3030505559	1010502023	01/07/2021	v3				

IP Rating

IP65 Front / IP40 Back

LCD Panel

Screen diagonal (Inch/cm)	24/60.97
Display active screen size (cm)	53.13×29.88
Aspect ratio	16:9
Physical resolution	1920×1080
External Maximum showable resolution - HDMI, DP	1920×1200
Colours displayed	16.7M
Brightness (cd/m^2)	500
Contrast	1000:1
Typical reaction time Tr / Tf (ms)	3.5/1.5
Visual Angle horizontal / vertical (°)	170/160
Backlight / Backlight Lifetime (hours)	LED / 20,000

Operation / Mechanical

Operating Temperature (°C)	-10 ~ +60
Humidity Range (RH)	10% - 90%
Net weight (kg)	5.86
Gross weight (kg)	9.30 (incl. cartonage)
Housing material	Rubber frame, Aluminum IPC back case
Housing (mm) L × W × H	579.4 × 347.0 × 57.5
Cut-out for clamp supports (mm) L × H	555.4 × 323.0
Max. wall thickness for clamp supports (mm)	5.0
Amount of clamps required	7
Mounting	VESA 100

Internal Connectors (occupied)

1x SO-DIMM, max. 8GB, DDR3L 1333/1600/1867 non-ECC, Single channel memory	
3x RS232/RS485 COM connectors switchable in BIOS	
2x LCD Backlight control/LCD panel voltage box	
1x 5V/12V SATA power connector	1x 12V DC power connector (2-pin)
1x 4-pin SATA power connector	1x S/PDIF output pin header
1x 8-bit Digital I/O interface	1x Line-out / Mic-in header
1x Front Panel box header	1x Serial ATA 6Gb/s
1x MIPI CSI connector	1x LVDS box header	2x USB 3.0 box header

PC System

|	
CPU	Intel® Pentium® QuadCore N4200
Graphic GPU	Intel® HD Graphics
Audio	Realtek ALC3236 Audio CODEC
Memory	4GB DDR3L non-ECC (max. 8GB)
Storage (switchable)	faytech Industrial 128GB SSD
Network	2x Realtek PCIe GB LAN 8111G (1x optional with POE); W-LAN
Driver Support	Win10; 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 etching)
Glass Strengthening	Chemically Strengthened

Power

Power Indicator	Green LED
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	12
Power Consumption (W)	36
Stand-By Consumption (W)	<1

External Connectors

1x 12V DC-In (screwable)	
1x W-LAN antenna connector (RP-SMA male)	
2x USB 2.0	2x USB 3.0
1x HDMI	1x DP
1x MIC-In & EAR-Out	
1x 10-PIN DIO as RJ50	
1x COM – RS 232/422/485 switchable; 5V/12V/RI option (COM1, DSUB9)	
1x COM – RS 232; RX/TX (COM2, DSUB9)	
2x COM – RS 232 & 485; RX/TX & A+/B- (COM3&4, RJ12)	
2x 10/100/1000Mbit RJ45 Ports	
1x 2.5" module slot, changeable SSD included	

Expansion Slots

1x mSATA full size (occupied by SSD)
1x M.2 E-Key Slot (occupied by Wifi card)
1x SATA connector
1x External PCIe x1 Straddle connector

Included in the Delivery

Power Supply (see Power section)
W-LAN antenna (RP-SMA female)
Short Installation Manual
Standard Stand
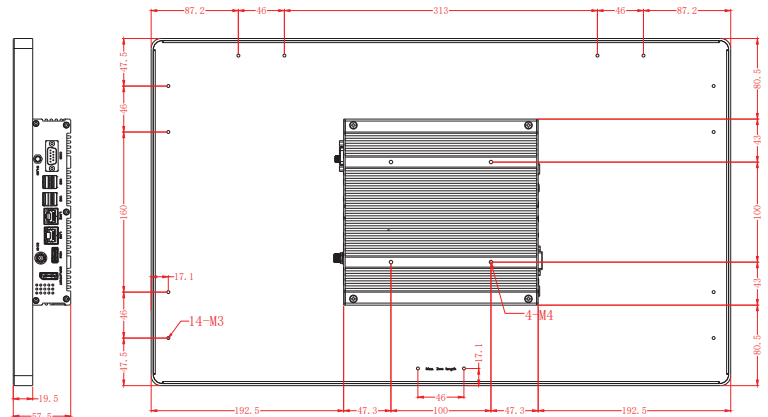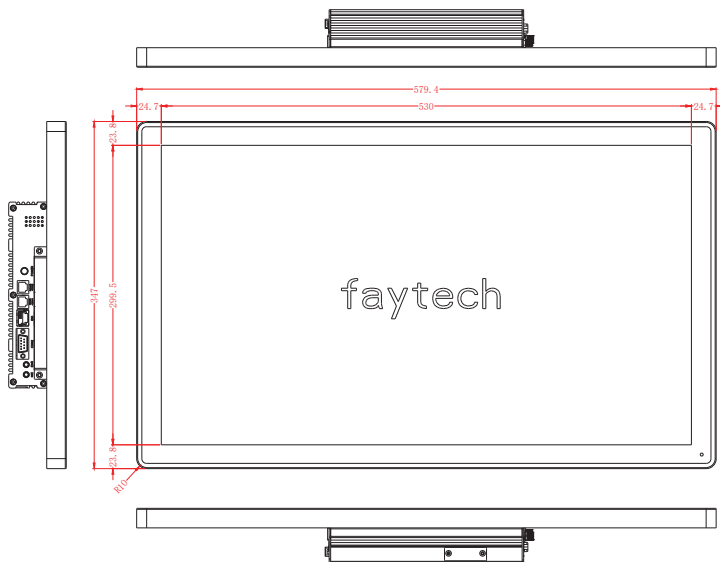
Tolerance: ± 1mm

Errata and technical modifications reserved

Update Notes:

Version:		Changes:
v3	-	First version