15" Capacitive Touch PC N4200

FT15N4200CAPOB

Yes ☑
No ☐
Supports Clamps

CLEAR BOND
Optically Bonded

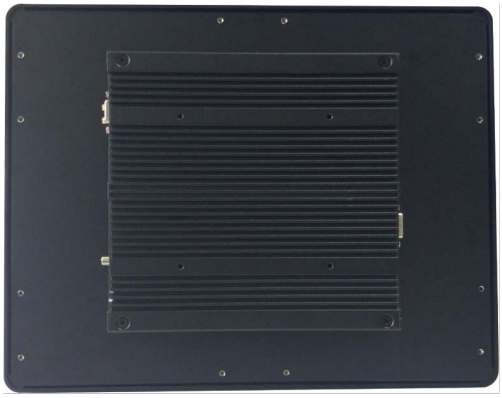
- **Intel® Pentium® N4200 QuadCore CPU**
- **4GB RAM memory, 128GB Industrial SSD**
- **Supports Windows 10 & Linux (32Bit, 64Bit)**
- **Anti-glare surface treatment (chemical etching)**
- **10-Finger-Multi Touch Capacitive Touch Panel**
- **1.1mm cover glass with 7H surface hardness**
- **Optically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

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

It is the perfect choice for industrial and business application. 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 (VESA 400 for 32" and up).

The touch 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 2	(v2)
Applicable to version 3	(v3)
Applicable to version 4	(v4)
Applicable to all Versions	None

HDMI

USB 3.0 UNIVERSAL SERIAL BUS

SUPERSPEED USB

W-LAN

+60°C
-10°C

24/7

Product name	15" Capacitive Touch PC N4200						
Model number / EAN number	FT15N4200CAPOB / 6920734015580						
Global Article Code	European Article Code	Release date (D/M/Y)	Version*	Global Article Code	European Article Code	Release date (D/M/Y)	Version*
3030502073	1010501571	01/03/2019	v2				
3030506253	1010502103	18/01/2021	v3				
3030509441	1010502284	01/11/2021	v4				

IP Rating
IP65 Front / IP40 Back

LCD Panel	
Screen diagonal (Inch/cm)	15/38.10
Display active screen size (cm)	30.40×22.80
Aspect ratio	4:3
Physical resolution	1024×768
External Maximum showable resolution - HDMI, DP	1920×1200
Colours displayed	16.7M
Brightness (cd/m²)	300
Contrast	700:1
Typical reaction time Tr / Tf (ms)	8/12
Visual Angle horizontal / vertical (°)	160/160
Backlight / Backlight Lifetime (hours)	LED / 30,000

Operation / Mechanical	
Operating Temperature (°C)	-10 ~ +60
Humidity Range (RH)	10% - 90%
Net weight (kg)	3.40
Gross weight (kg)	5.30 (incl. cartonage)
Housing material	Rubber frame, Aluminum IPC back case
Housing (mm) L × W × H	359.0 × 291.0 × 61.0
Cut-out for clamp supports (mm) L × H	335.0 × 267.0
Max. wall thickness for clamp supports (mm)	5.0
Amount of clamps required	6
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 ALC3251 Audio CODEC (v4)
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

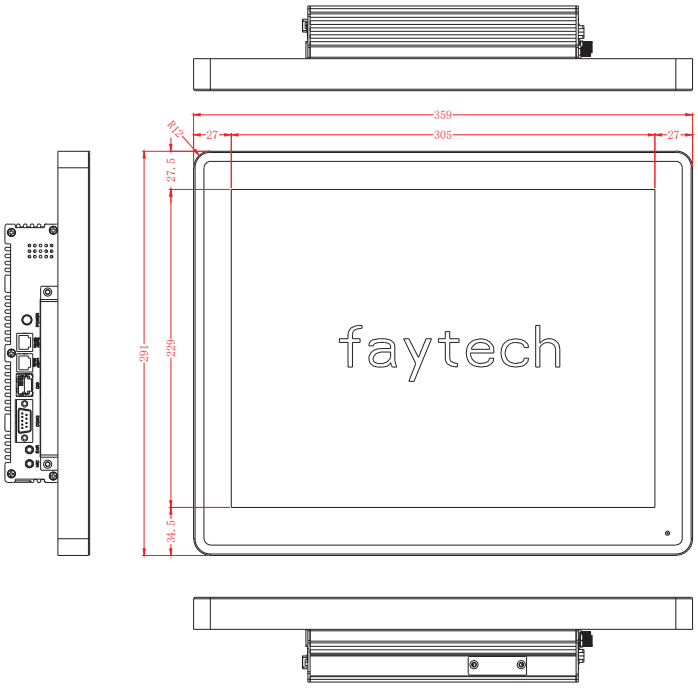
Touch Panel	
Touch Technology	Projected Capacitive 10-Point Multitouch
Touch Connector	USB
Touch Life (Contacts)	Unlimited
Surface Hardness	7H
Surface Treatment	Anti-glare (chemical etching)
Glass Strengthening	Chemically Strengthened

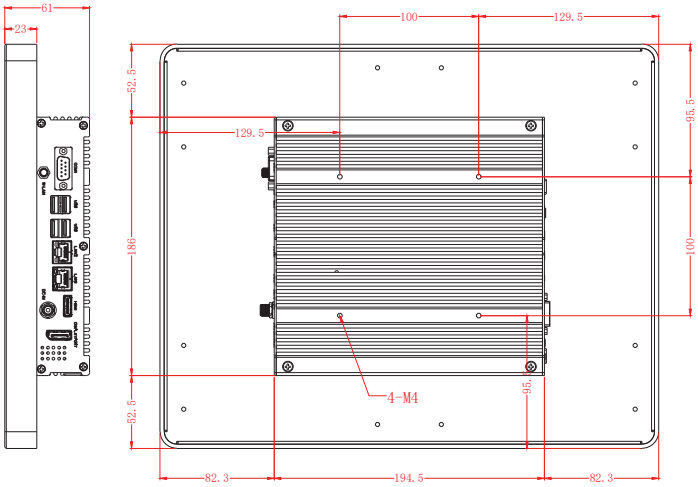
Power	
Power Indicator	Green LED
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	12
Power Consumption (W)	17
Stand-By Consumption (W)	<1

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 (v3) (v4)	
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	
1x S/PDIF-Out (1x Cinch, 1x Torx module) (v2)	
1x 8-PIN DIO as RJ45 (v2)	

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

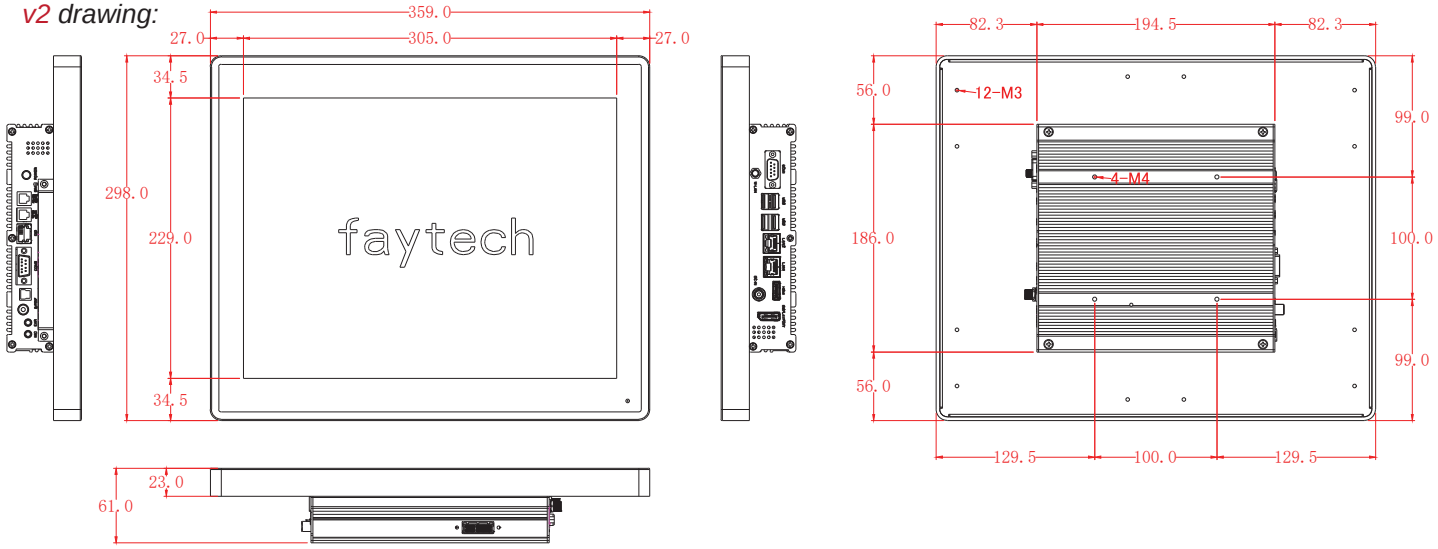
Errata and technical modifications reserved

Update Notes:

* Only the latest version can be ordered, previous versions are only for historic reference.

Version:		Changes:
v4	-	Update of the audio chip from ALC3236 to ALC3251
v3	-	Housing update (W): 298.0 to 291.0 Cut-Out update (H): 274.0 to 267.0 Update of internal wiring and components Removed the S/PDIF-Out (1x Cinch, 1x Torx module) Switched the 8-PIN DIO as RJ45 to 10-PIN DIO as RJ50 *(v3 & v4 drawing on previous page)*
v2	-	First version

v2 drawing:



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