N4200 Industrial PC (Box PC)
IPCN4200

faytech

- **Intel® Pentium™ N4200 QuadCore CPU**
- **4GB RAM memory, 128GB Industrial SSD**
- **Supports Windows 10 & Linux (32Bit, 64Bit)**
- **VESA 100 / Screwhead holes (20×14 cm)**
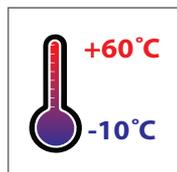- **Integrated W-LAN**
- **2 year guarantee (24/7 usage)**

faytech's Industrial PCs are great in combination with any of faytech's touch monitors. Whether it is with the open frame, kiosks or standard touch monitors, the reliable industrial PC is suitable!

This small industrial PC is powered by the Apollo Lake mainboard. It is driven by the powerful Intel® Pentium® N4200 QuadCore with up to 2.5 Ghz clock frequency. The device is equipped with 4GByte RAM, 128G SSD and Intel's HD Graphic chipset, supporting Full HD, 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

Product name				**N4200 Industrial PC** (Box PC)			
Model number / EAN number				**IPCN4200 / 6920734005550**			
Global Article Code	European Article Code	Release date (D/M/Y)	Version*	Global Article Code	European Article Code	Release date (D/M/Y)	Version*
3030502644	1010501306	01/03/2019	v2				
3030505488	1010502028	01/02/2021	v3				
3030510203	1010502378	01/02/2022	v4				

IP Rating
IP40

Operation / Mechanical	
Operating Temperature (°C)	-10 ~ +60
Humidity Range (RH)	10% - 90%
Net weight (kg)	2.20
Gross weight (kg)	3.20 (incl. cartonage)
Housing material	Aluminum
Housing (mm) L × W × H	216.0 × 195.0 × 41.0
Cut-out for clamp supports (mm) L × H	N/A
Max. wall thickness for clamp supports (mm)	N/A
Amount of clamps required	N/A
Mounting	VESA 100 / Screwhead holes (20×14 cm)

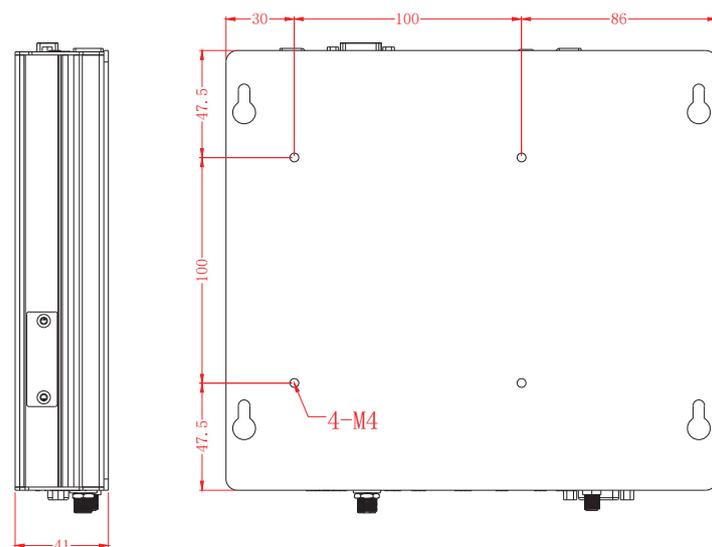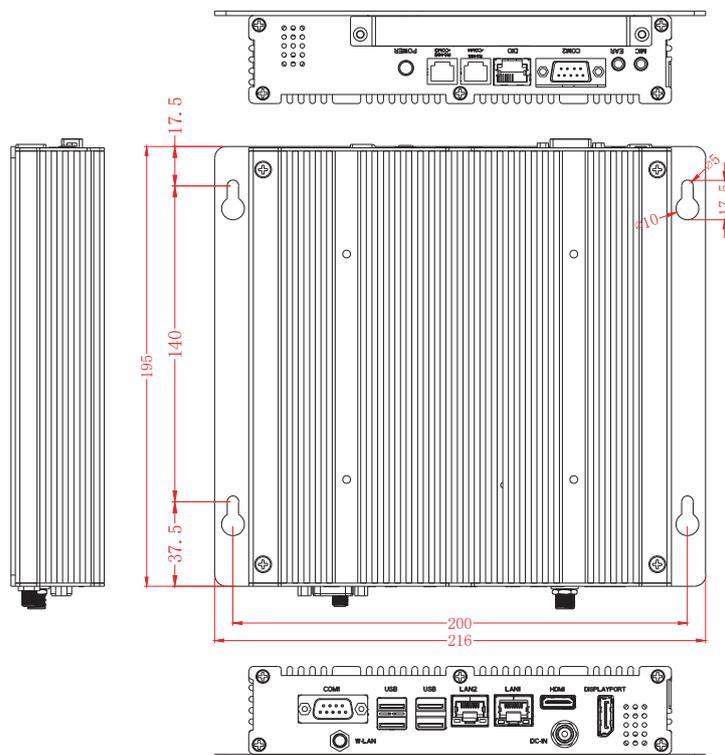| Internal Connectors (occupied)		
1x SO-DIMM, max. 8GB, DDR3L 1333/1600/1867 non-ECC, Single channel memory		
3x RS232/RS485 COM connectors switchable in BIOS		
2x LCD Backlight control/LCD panel voltage box		
1x 5V/12V SATA power connector	1x 12V DC power connector (2-pin)	
1x 4-pin SATA power connector	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

Power	
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	12
Power Consumption (W)	14
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

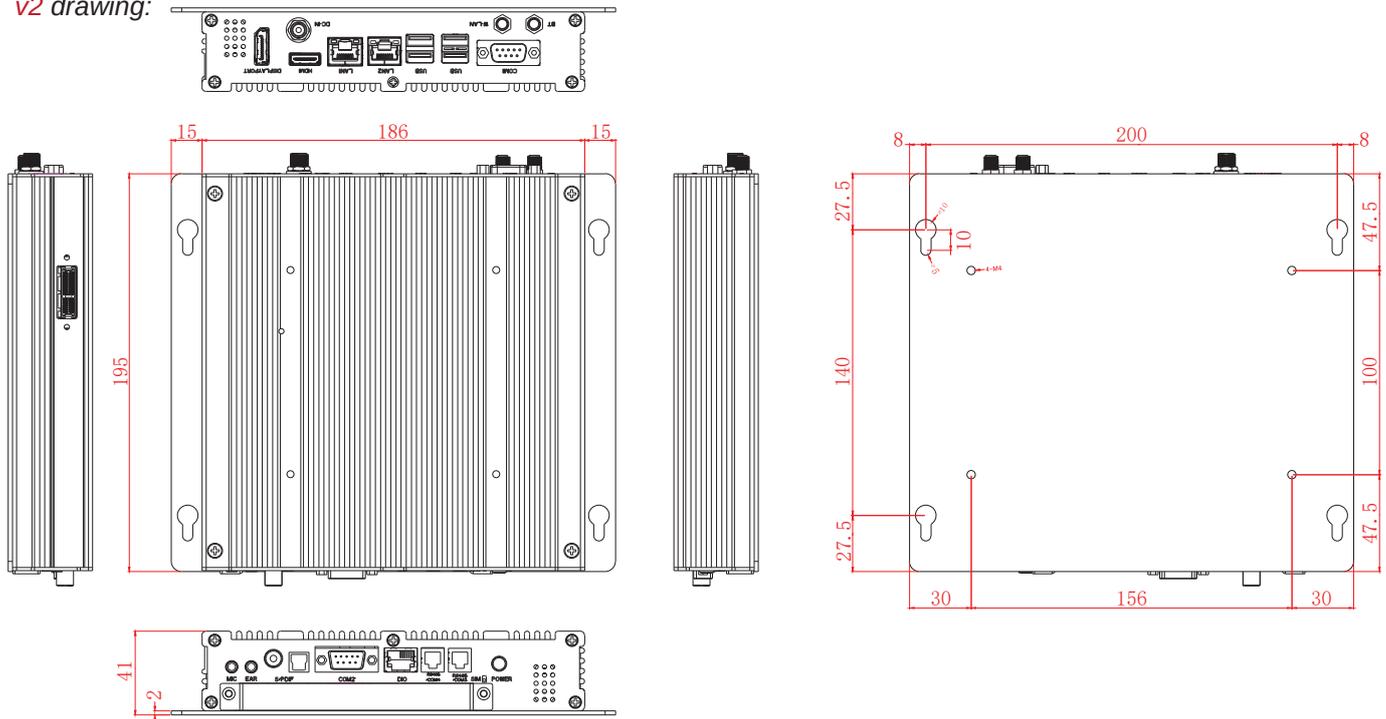| Included in the Delivery |
|---|
| Power Supply (see Power section) |
| W-LAN antenna (RP-SMA female) |
| Short Installation Manual |

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	- 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: