# 10.1" Industrial Tablet IP65 N4200

FT101N4200ITCAPOB

faytech

- Intel® Pentium® N4200 QuadCore CPU
- 6GB RAM memory, 128GB industrial SSD
- Pre-installed Windows 10 operating system (not activated)
- Rechargeable lithium battery, 7.4V/6000mAh (8.5+ hours operation)
- Kastus® 24/7 antimicrobial coating (3-in-1 protection)*
- Anti-glare surface treatment (chemical etching)
- 500+ cd/m² brightness (suitable for outdoor use)
- 10-Finger-multi touch capacitive touch panel
- 1.1mm cover glass with 7H surface hardness
- Optically bonded touch panel to LCD panel
- Complete IP65 water- and dust proof
- Integrated W-LAN & Bluetooth 4.0
- Built-in front & back camera and microphone
- Integrated barcode scanner & fingerprint scanner
- 2 year guarantee (24/7 usage)

Kastus®
Antimicrobial Coating

CLEAR BOND
Optically Bonded

10.1"
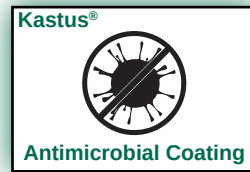
faytech

faytech's industrial (ruggedized) tablet is the perfect touch solution to be used as a hand-held device (or mounted pc) while performing tasks on the industrial floor or in rough environments. It is completely IP65 water- and dust proof, has a 10-finger capacitive multi touch panel and 24/7 antimicrobial coating by Kastus®, with a kill rate of >99% against surface bacteria, traditional viruses, and human coronavirus (3-in-1 protection)*.

The rechargeable lithium battery will easily get you through your workday when needed, especially in an indoor or semi-indoor environment such as a factory floor or office. The battery lifetime depends on the brightness and active usage (it can last up to 8.5 hours of operation, without any stand-by mode).

The tablet has an optically bonded touch panel, which will improve the stability, reduce the reflection, increase the viewing angle, and enhance the perceived brightness. It also provides resistance to dust particles and shows a better image in general.

The device 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. It is equipped with 6GB RAM DDR3 and 128G industrial SSD.

Due to its robust design, the tablet is particularly suitable for use in harsh environments such as industrial, rough and outdoor areas. Besides the mobile solution, the device can also be used as a permanently installed control panel. Windows 10 is pre-installed on the device (not activated).

Legend / Notes	
Applicable to version 1	(v1)
Applicable to version 2	(v2)
Applicable to all Versions	None

USB UNIVERSAL SERIAL BUS

W-LAN

Bluetooth

GPS

IP65

+45℃ / -0 ℃

24/7
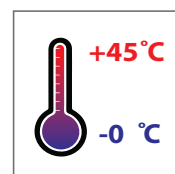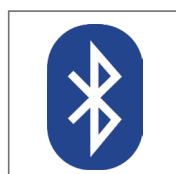
Product name	10.1" Industrial Tablet IP65 N4200						
Model number / EAN number	**FT101N4200ITCAPOB / 6920734000388**						
Global Article Code 3030508833	European Article Code 1010502265	Release date (D/M/Y) 01/09/2021	Version v1	Global Article Code	European Article Code	Release date (D/M/Y)	Version

IP Rating
IP65

LCD Panel	
Screen diagonal (Inch/cm)	10.1/25.65
Display active screen size (cm)	21.70×13.60
Aspect ratio	16:10
Physical resolution	1920×1200
External Maximum showable resolution - Micro HDMI	1920×1200
Colours displayed	16.7M
Brightness (cd/m^2) - after incl. touch panel & optical bonding	500+
Contrast	800:1
Typical reaction time Tr / Tf (ms)	25 / 25
Visual Angle horizontal / vertical (°)	178 / 178
Backlight / Backlight Lifetime (hours)	LED / 50,000

Operation / Mechanical	
Operating Temperature (°C)	0 ~ +45
Humidity Range (RH)	10% - 90%
Net weight (kg)	1.20
Gross weight (kg)	1.70 (incl. cartonage)
Housing material	Plastic Case, Silicone Rubber Frame
Housing (mm) L × W × H	280.0 × 185.0 × 26.5
Mounting	4x M3.5 screw thread

Included in the Delivery	
Power Supply (see Power section)	Short Installation Manual
Plastic Screen Protector	

PC System	
CPU	Intel® Pentium® QuadCore N4200
Graphic GPU	Intel® HD Graphics 505
Audio	Realtek ALC3236 Audio CODEC
Memory	6GB DDR3 1600
Storage	Industrial 128GB SSD
Network	1x Realtek PCIe GB LAN 8111G; Wi-Fi 802.11 ac (see Wi-Fi specifications)
Bluetooth	Bluetooth 4.0 (high speed data transfer)
Microphone	Integrated (behind cover glass)
Preinstalled OS	Windows 10 IoT LTSC 2019 Entry (not activated)

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	
Additional Coating	Kastus® 24/7 Antimicrobial Coating (3-in-1)	
Touch Firmware	Included	Works with fingers, gloves & in rainy conditions
	Download from website	Works with capacitive touch stylus

Power		
Power Indicator	Red LED	
Built-in Battery	Rechargeable Lithium Battery, 7.4V/6000mAh	
Power Supply	100-240V ACDC active switching; 12V DC-Out	
Working Power (V)	12	
Power Consumption / Active Working Time (w/o stand-by mode)	25% brightness, idle mode (indoor / semi-indoor)	4.8W / 8.5 hours minimum
	50% brightness, 50% full usage (semi-indoor)	9.6W / 5.5 hours minimum
	100% brightness, 100% full usage (outdoor)	12W / 5 hours minimum
Stand-By Consumption (W)	<1	

External Connectors	
1x 12V DC-In (to recharge)	1x Micro HDMI 1.4 (class type D)
1x USB 3.0	1x USB 2.0
1x Micro USB 2.0	1x Headphone port - Ear out only (3.5mm)
1x 10/100/1000Mbit RJ45 Port	1x COM port DSUB9 (RS232)
1x Micro SD card slot (TF - TransFlash)	

Anti-glare chemical etching with antimicrobial coating (>99% kill rate - active for the entire product lifecycle)

Front camera

LED light indicator

10-Finger-multi touch capacitive touch panel

10.1"

faytech

500+ cd/m² brightness (suitable for outdoor use)

IP65 silicone rubber covers

Integrated microphone (behind cover glass)

Front

Optically bonded touch panel to LCD panel

Rugged IP65 silicone rubber frame

Peripherals

GPS Specifications (UB-118)

Product Name	UB-118
Chipset	High performance BD2/GPS chipset
Frequency	GPS L1 1575.42 MHz / BD B11561.098MHz
Power Consumption	100mW
TTFF (Time to first fix)	Hot start: 1s	Cold start: 32s
Accuracy (position)	Autonomous <2.5m RMS	DGNSS <1m RMS
Accuracy (velocity)	GPS(+BDS) 0.1m/s RMS	BDS 0.2m/s RMS
Accuracy (time)	100ns
Sensitivity (acquisition)	BDS -145dBm	GPS -147dBm
Sensitivity (tracking)	BDS -160dBm	GPS -162dBm
Protocol	NMEA 0183 (compatible with BDS)
Maximum altitude	< 50,000 meter
Maximum velocity	< 500 m/s
Maximum acceleration	< 4G

Wi-Fi & Bluetooth Specifications (6221-PUC)

Product Name	6221C-PUC
W-LAN Applications	5 GHZ 802.11ac or 2.4G/5G 802.11n
Supports	20/40MHz at 2.4 GHz and 20/40/80MHz at 5GHz
Interface	Low power PCI-e interface for WLAN and USB/PCM interface for Bluetooth
Bluetooth	Bluetooth V4.2+HS, BLE and backwards compatible with Bluetooth 1.2, 2.X+ enhance data rate
	Supports WLAN-Bluetooth coexistence and ISM-LTE coexistence
	Supports Bluetooth for class1 and class2 power level transmissions without requiring an external PA
	BT host digital interface: • USB 1.1 • PCM for audio data

Fingerprint Scanner Specifications (MB-X4)

Purpose	Register & unlock device (Windows 10)
Pixels / resolution	88×88px / 508 DPI
Storage capacity	100 unique prints (multiple fingers & accounts)
Unlocking time	<1s
FRR / FAR	<2% / <0.002%
Communication interface / UART	SPI / 57600
Additional features	build-in "Smart Learning" algorithm, allowing fingerprint matching to be faster over time
	Accepts 360° (degrees) fingerprint matching

Barcode Scanner Specifications (LV 3296)

Product Name		LV 3296 OEM Scan Engine
Image Sensor		640×480 CMOS
Light Source		Red LED 625 ± 10nm
Symbologies	2D	PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Chinese Sensible Code
	1D	Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, GS1-DataBar (RSS), (RSS-14, RSS-Limited, RSS-Expand)
Resolution		≥ 5mil
Typical Depth of Field	EAN-13	45mm - 380mm (13mil)
	Code 39	30mm - 180mm (5mil)
	Data Matrix	20mm - 115mm (10mil)
	QR Code	25mm - 165mm (15mil)
	PDF 417	30mm - 125mm (6.67mil)
Symbol Contrast		≥ 30% reflectance difference
Scan Angle		Roll: 360°, Pitch: ±50°, Skew: ±50°
Field of View		Horizontal 44°, Vertical 33.2°

Camera Specifications (front & back)

Camera	Front (screen side)	Back
Pixels	2MP (200W)	5MP (500W)
Pixel Size	1/5 inch	1/5 inch
Image Resolution	1600×1200	2592×1944
Glass finish (in front of lens)	Polished glass	
Image transfer rate	30 frame/sec @ 24MHz	
White balance (AWB)	Auto	
Exposure control (AEC)	Auto	
Output signal	YCbCr4:2:2, RGB565, Raw Bayer	
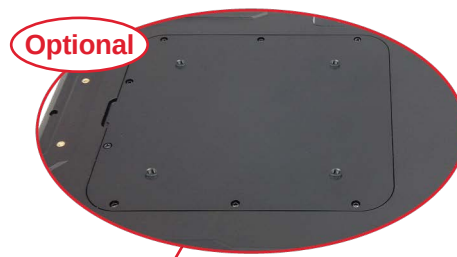
Optional

Exchangeable back plate (for VESA 75 plate)

Back camera
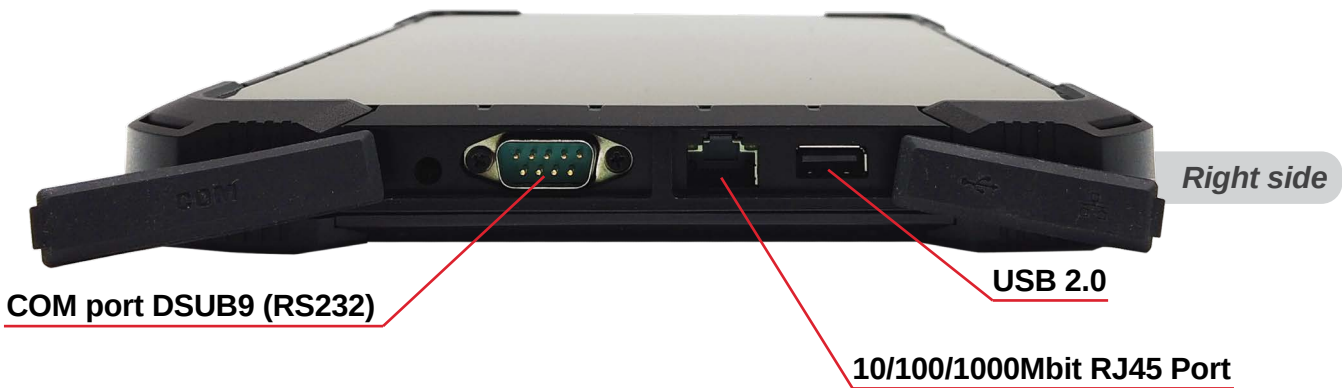
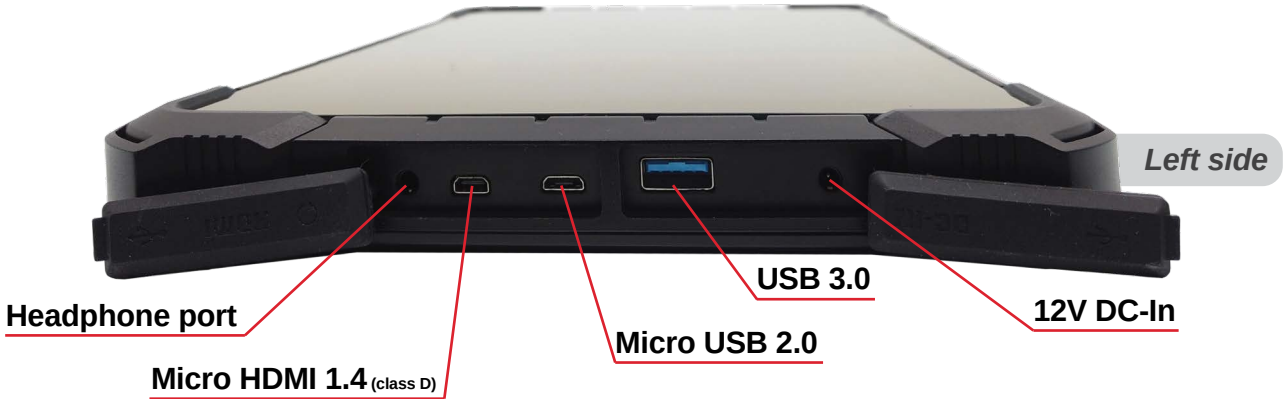**Fingerprint scanner**

Opening to detect sealing condition

Brackets for hand strap

Alternate charging point (with docking station)

M3.5 Screw thread for mounting

Back

Top

Barcode Scanner

Buttons:
Vol - / Vol + / Power / Scan switch

Left side

USB 3.0

Headphone port

12V DC-In

Micro USB 2.0

Micro HDMI 1.4 (class D)

Right side

USB 2.0

COM port DSUB9 (RS232)

10/100/1000Mbit RJ45 Port

Update Notes:

Version:		Changes:
v1	-	First version

Errata and technical modifications reserved

Optional Accessories

Tablet Docking Station

Product name				Tablet Docking Station			
EAN number				N/A			
Global Article Code	European Article Code	Release date (D/M/Y)	Version	Global Article Code	European Article Code	Release date (D/M/Y)	Version
3030509073	1010502266	01/10/2021	v1				

- **Easy 9-pin holder, to charge industrial tablet**
- **DC-In interface with Input voltage 12V/2.4A (power supply included)**
- **4 USB 2.0 ports connected to the tablet directly when mounted**
- **Reliable plastic case, easy to handle and mount**

Capacitive Touch Stylus

Product name				Capacitive Touch Stylus			
Model number / EAN number				FTCAPSTYLUS / 6920734091065			
Global Article Code	European Article Code	Release date (D/M/Y)	Version	Global Article Code	European Article Code	Release date (D/M/Y)	Version
20205003213	1010501169	01/11/2020	v1				

- **Easy-to-use capacitive touch stylus**
- **Perfect accessory for the faytech flat**
- **Light and durable aluminum housing**
- **Requires different touch firmware for tablet, download**
  from www.faytech.com/downloads/ or contact your sales representative

Hand Strap

Product name				Hand Strap			
EAN number				N/A			
Global Article Code	European Article Code	Release date (D/M/Y)	Version	Global Article Code	European Article Code	Release date (D/M/Y)	Version
3030509327	1010502267	01/10/2021	v1				

- **Black leather hand holder with straps**
- **Comfortable, light-weight & easy to hold**
- **Easily mountable using the tablet corner brackets**

VESA 75 back plate

Product name				VESA 75 back plate			
EAN number				N/A			
Global Article Code	European Article Code	Release date (D/M/Y)	Version	Global Article Code	European Article Code	Release date (D/M/Y)	Version
3030508362	1010502277	01/10/2021	v1				

- **VESA 75 holes for solid mounting**
- **Complete Aluminum back-plate**
- **Easy to exchange with basic plate using 8 screws**
- **8 Screws included in package**