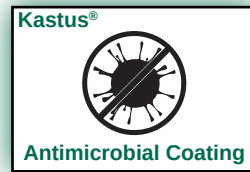


# 10.1" Industrial Tablet IP65 N4200

FT101N4200ITCAPOB



- 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/m<sup>2</sup> 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)



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)\*.

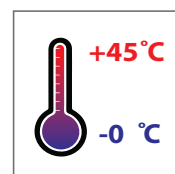
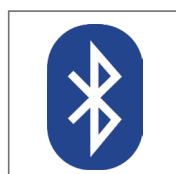
The rechargeable lithium battery will easily get you through your workday when needed, especially in an indoor or semi-indoor environment such as a factory floor or office. The battery lifetime depends on the brightness and active usage (it can last up to 8.5 hours of operation, without any stand-by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



|                                  |                       |                    |         |                                    |                       |                    |         |
|----------------------------------|-----------------------|--------------------|---------|------------------------------------|-----------------------|--------------------|---------|
| <b>Product name</b>              |                       |                    |         | 10.1" Industrial Tablet IP65 N4200 |                       |                    |         |
| <b>Model number / EAN number</b> |                       |                    |         | FT101N4200ITCAPOB / 6920734000388  |                       |                    |         |
| Global Article Code              | European Article Code | Release date (DMY) | Version | Global Article Code                | European Article Code | Release date (DMY) | Version |
| 3030508833                       | 1010502264            | 01/09/2021         | v1      |                                    |                       |                    |         |

|                  |  |
|------------------|--|
| <b>IP Rating</b> |  |
| IP65             |  |

|   |              |
|---|--------------|
| <b>LCD Panel</b>  |              |
| 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 <sup>2</sup> ) - 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 |

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

|                                  |                           |
|----------------------------------|---------------------------|
| <b>Included in the Delivery</b>  |                           |
| Power Supply (see Power section) | Short Installation Manual |
| Plastic Screen Protector         |                           |

|                  |   |
|------------------|---|
| <b>PC System</b> |   |
| 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;<br>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)                              |

|                       |   |  |
|-----------------------|---|--|
| <b>Touch Panel</b>    |   |  |
| 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               |

|   |  |                          |
|---|--|--------------------------|
| <b>Power</b>  |  |                          |
| 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   |                          |

|   |  |
|---|--|
| <b>External Connectors</b>              |  |
| 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)**

**LED light indicator**

**Front camera**

**10-Finger-multi touch capacitive touch panel**

**IP65 silicone rubber covers**

**500+ cd/m<sup>2</sup> brightness (suitable for outdoor use)**

**Integrated microphone (behind cover glass)**

**Front**

**Rugged IP65 silicone rubber frame**

**Optically bonded touch panel to LCD panel**



# Peripherals

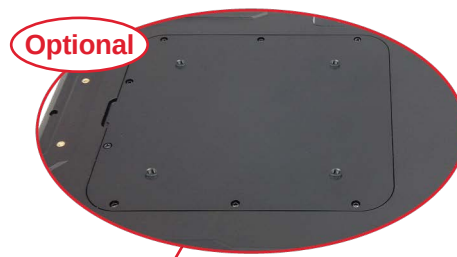
| GPS Specifications (UB-118) |  |
|-----------------------------|--|
| Product Name                | UB-118                                   |
| Chipset                     | High performance BD2/GPS chipset         |
| Frequency                   | GPS L1 1575.42 MHz / BD B11561.098MHz    |
| Power 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<br>Supports WLAN-Bluetooth coexistence and ISM-LTE coexistence<br>Supports Bluetooth for class1 and class2 power level transmissions without requiring an external PA<br>BT host digital interface: • USB 1.1<br>• PCM for audio data |

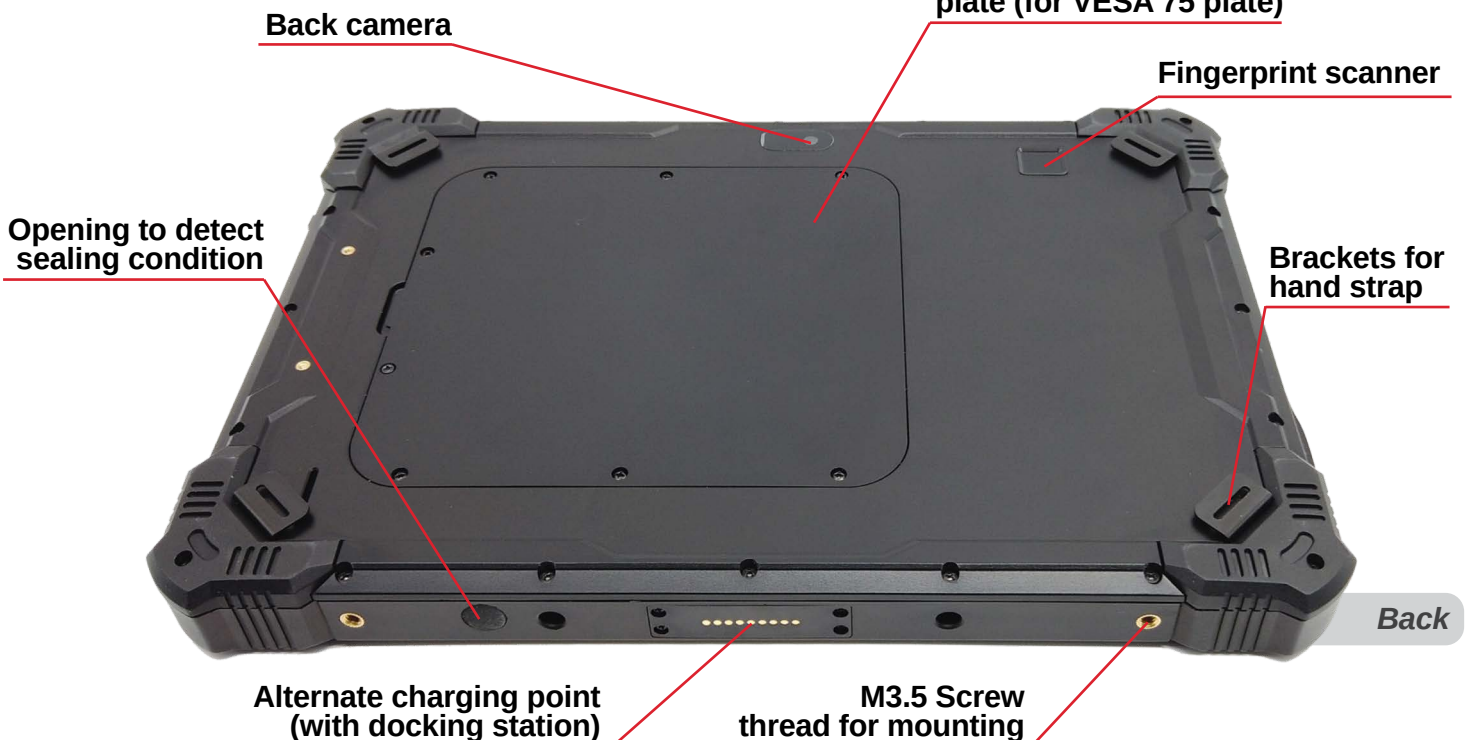
| Fingerprint Scanner Specifications (MB-X4) |  |
|--|--|
| Purpose                                    | Register & unlock device (Windows 10)  |
| Pixels / resolution                        | 88×88px / 508 DPI  |
| Storage capacity                           | 100 unique prints (multiple fingers & accounts)  |
| 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<br>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<br>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)<br>Code 39      30mm - 180mm (5mil)<br>Data Matrix      20mm - 115mm (10mil)<br>QR Code      25mm - 165mm (15mil)<br>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°   |

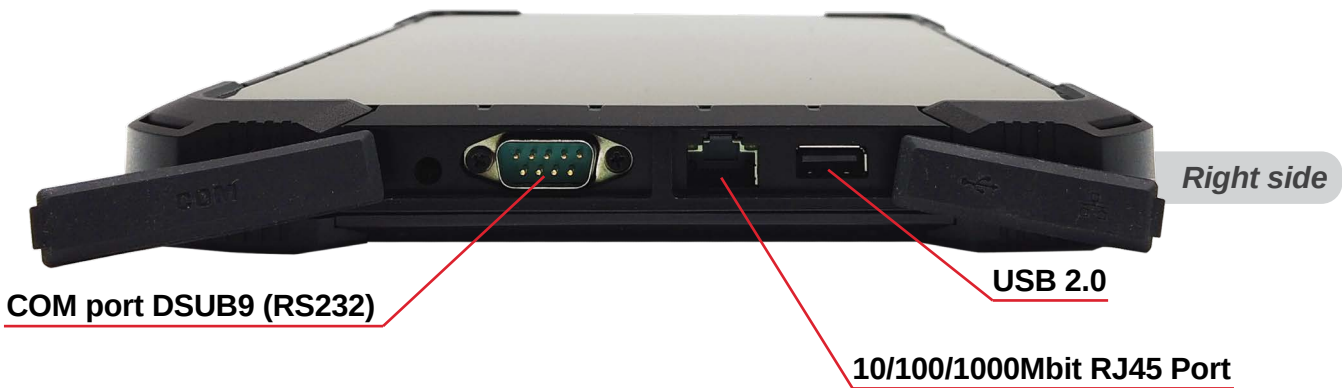
| Camera Specifications (front & back) |                               |            |
|--------------------------------------|-------------------------------|------------|
| Camera                               | Front (screen side)           | Back       |
| Pixels                               | 2MP (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 |            |



**Exchangeable back plate (for VESA 75 plate)**



Back



### Update Notes:

**Version:**

v1

**Changes:**

-

First version

Errata and technical modifications reserved

### Corporate Headquarters

**faytech AG**  
Bischhäuser Aue 10  
37213 Witzenhausen  
Germany

[support@faytech.com](mailto:support@faytech.com)  
[contact@faytech.com](mailto:contact@faytech.com)  
[www.faytech.com](http://www.faytech.com)

China: +86 755 8958 0612  
Germany: +49 5542 30374 10  
USA: +1 646 843 0877  
India: +91 11 49707436  
Japan: +070 4127 5167



# 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/](http://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