

## 10.1" Industrial Tablet IP65 N4200

FT101N4200ITCAPOB

- Intel® Pentium® N4200 QuadCore CPU
- 6GB RAM memory, 128GB eMMC storage
- Pre-installed Win 10 OS (without license - purchase separately)
- Rechargeable lithium battery, 7.4V/7000mAh (8.6+ hours operation)
- Kastus® 24/7 anti-viral & anti-bacterial coating
- Anti-glare surface treatment (chemical etching)
- 1000 cd/m<sup>2</sup> brightness (suitable for outdoor use)
- 10-Finger-multi touch capacitive touch panel
- 1.8mm cover glass with 7H surface hardness (IK08)
- Optically bonded touch panel to LCD panel
- Complete IP65 water- and dust proof
- Integrated W-LAN & Bluetooth 5.2
- Built-in front & back camera and microphone
- Integrated barcode scanner & fingerprint scanner
- 1 year guarantee (24/7 usage)



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.

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 but no license is included, this can be purchased separately.

### Model / Product Name

Product name	10.1" Industrial Tablet IP65 N4200
Model number	FT101N4200ITCAPOB
EAN / GTIN number	6920734000388
Global article code	3030511187
European article code	1010502433

### 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
Colours displayed	16.7M
Brightness (cd/m <sup>2</sup> ) - after incl. touch panel & optical bonding	1000
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. cartonnage)
Housing material	Plastic Case, Silicone Rubber Frame
Housing (mm) L × W × H	280.3 × 198.3 × 36.0
Mounting	VESA 75 4x M3.5 screw thread

### Included in the Delivery

Power Supply (see Power section)
Light Docking Station
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 RAM
Storage	128GB eMMC
Network	1x Realtek PCIe GB LAN 8111G; Wi-Fi 802.11ax (see Wi-Fi specifications)
Bluetooth	Bluetooth 5.2 (high speed data transfer)
Microphone	Integrated (behind cover glass)
Preinstalled OS	Windows 10 IoT LTSC 2019 Entry (without license, purchase separately)

### 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	Works with fingers, gloves & in rainy conditions Works with capacitive touch stylus (download)

### Power

Power Indicator	Green / Red LED
Built-in Battery	Rechargeable Lithium Battery, 7.4V/7000mAh
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (W)	12
Power Consumption / Active Working Time (w/o stand-by mode)	25% brightness, idle mode 6W / 8.6 hours minimum (indoor / semi-indoor) 50% brightness, 50% full usage (semi-indoor) 100% brightness, 100% full usage (outdoor)
Stand-By Consumption (W)	<1

## External Connectors

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

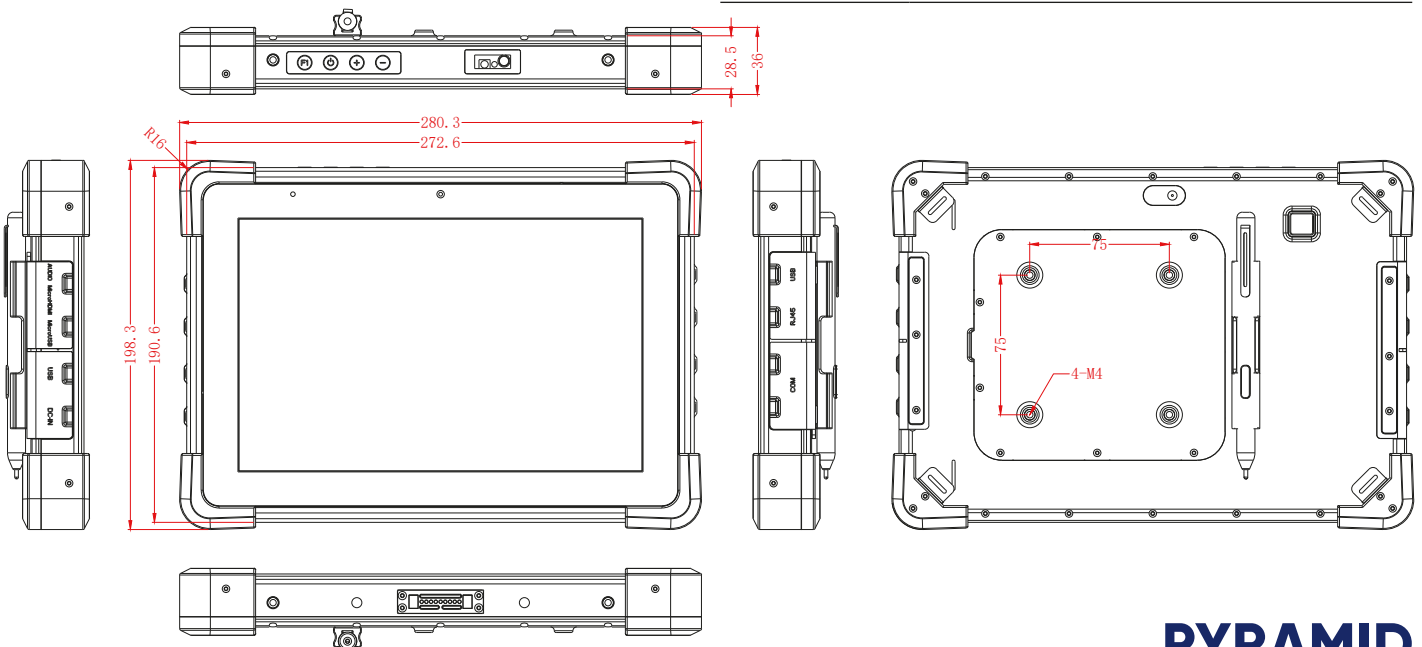
## Fingerprint Scanner Spec. (MB-X4)

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 aster over time Accepts 360° (degrees) fingerprint matching

## Camera Spec. (front & back)

Camera	Front (screen side)	Back
Pixels	2MP (200W)	5MP (500W)
Pixel Size	1.75*1.75um	1.4*1.4um
Image Resolution	1600×1200	2592×1944
Image Transfer Rate	30 frames/sec	15 frames/sec
Lens Size	1/5 inch	1/4 inch
Optical Field of View	60°	73°
Glass finish (in front of lens)	Polished glass	Polished glass
Output Formats	RAW RGB, RGB 565/555/444, CCIR656 YUV422/420, YCbCr422, and compression	

## Dimensions



## Barcode Scanner Spec. (N4680)

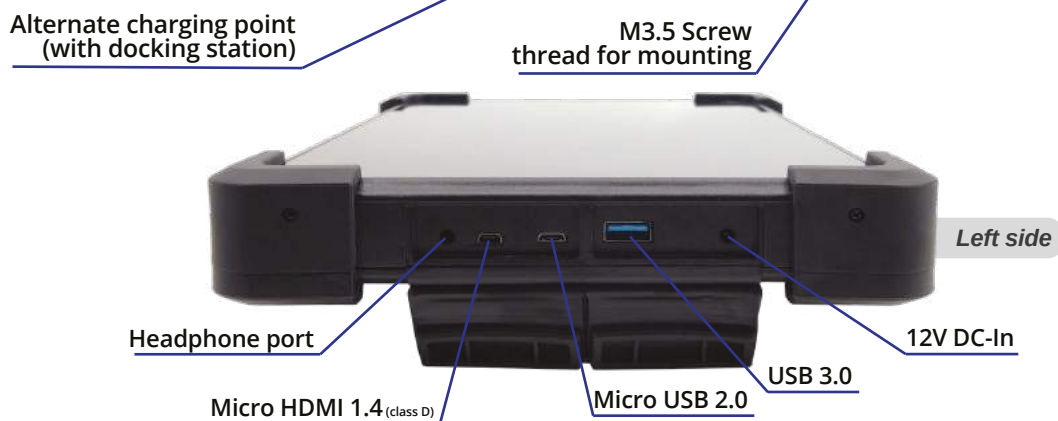
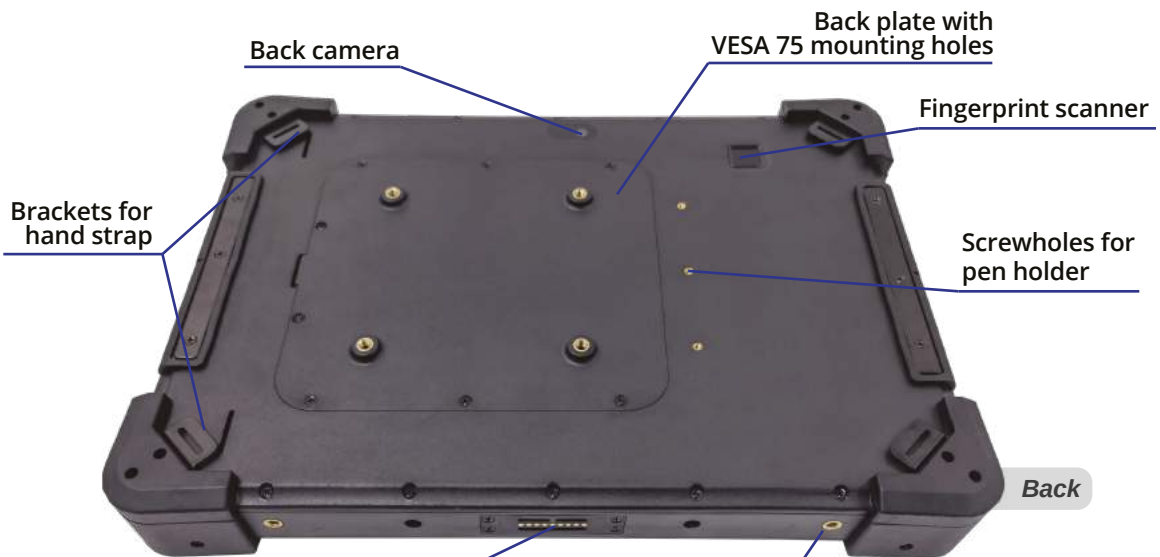
Product Name	Honeywell N4680 Decoded 2D Scan Engine	
Sensor	640×480 CMOS, 60 frames per second	
Illumination Wavelength	Warm white IED with CCT 3000K	
Aiming Wavelength	630nm Red LED	
Scan Angle	Roll: 360°, Pitch: ±50°, Skew: ±50°	
Field of View	Horizontal ±20°, Vertical ±15°	
Aiming Wavelength	630nm Red LED	
Motion Tolerance	6 m/s	
Maximum image capture rate	120 frames per second	
Supported Symbologies	1D, 2D barcodes, OCR, Poorly printed & on-screen bar codes	
Typical Depth of Field	C39	36mm - 747mm (5-10-20 mils)
	100% UPC-A	46mm - 390mm (13 mils)
	C128	33mm - 598mm (5-10-20 mils)
	PDF417	42mm - 490mm (7-10-20 mils)
	QR-Code	40mm - 367mm (7-20 mils)
	Data Matrix	40mm - 182mm (10 mils)

## Wi-Fi & Bluetooth Spec. (AX200)

Product Name	Intel® Wi-Fi 6 AX200 Module
Wi-Fi	High-performance, low-power, dual-band Pre-Standard-802.11ax Dual Band 2x2
Band Channels	2.4GHz and 5GHz (2-160Mhz channels)
Wi-Fi Alliance	802.11a/b/g/n/ac/ax(PreStandard), WPA/2 Personal and enterprise, WPS2, PMF, WMM, WMM-PS, WFD, Miracast, Passpoint R2, Voice Personal
Performance	TX Burst, TCP packet reordering, MSIx for reduced multi-core CPU load upto MCS11
Wi-Fi-Bluetooth Coex	MIMO TX/TX and Rx/Rx Concurrency
Bluetooth	Bluetooth 5.2

## GPS Spec (UB-118) - optional

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	



## Included Accessories

Light tablet docking station



VESA 75 back plate



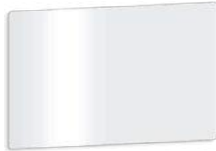
Standard battery (inside)



Power supply



Plastic screen protector



## Optional Accessories

Standard tablet docking station



Capacitive touch stylus



Capacitive touch stylus holder



Hand strap



High capacity battery



Basic back plate

