10.1 "Professional grade reinforced flat panel: perfect balance between lightweight design and industrial performance

Intel ® N5100 | IP67 protection | WiFi 6 | Multi mode positioning | Highlighting display

Product Overview

F100C 10.1-inch industrial tablet windows 10 is designed to meet the demanding requirements of mobile outdoor operations. It is equipped with Intel ® Celeron ® The N5100 processor provides stable computing performance while ensuring long-term operation through efficient heat dissipation design. The body weighs only 980g and has a thickness of only 21.8mm, making it an ideal mobile terminal for polar environments, construction sites, ports, and warehousing and logistics.



industrial tablet windows 10 Core strengths

1. A stable and reliable computing platform

• **High efficiency processor:** using Intel ® N5100 core, with a turbo frequency of up to 2.80 GHz, easily handles daily industrial software.

Multi system support: Perfectly compatible with Windows 10/11 (Home/Pro/IoT) and Ubuntu 22.04 operating system.

Flexible storage: comes standard with 8GB of RAM (optional 16GB) and 128GB SSD (optional 256GB) to ensure fast data processing.

2. Military grade durability

IP67 protection: completely dust-proof, supports short-term immersion, and adapts to various harsh climates.

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Anti drop protection: After a 1.2-meter anti drop test, the body is made of aluminum alloy and TPU composite material, which is sturdy and durable.

Wide temperature operation: Supports stable operation in environments ranging from -20 ° C to 60 ° C.

3. Excellent display and interaction experience

• **Highlighting:** Provides 450 nits or 800 nits highlighting options, making it clearly visible even in direct sunlight.

• **High definition touch screen:** 10.1-inch IPS screen with a maximum resolution of 1200 × 1920, supporting 10 point capacitive touch and stylus.

Scratch resistant screen: With a hardness of over 7H, it effectively resists scratches and impacts in industrial settings.

4. Advanced connectivity and precise positioning

High speed wireless: Supports WiFi 6 and Bluetooth 5.1 to ensure real-time data synchronization without interruption.

Four mode positioning: integrated GPS, GLONASS, Beidou Galileo， Provide accurate location information for outdoor assignments.

Rich interfaces: Native integration of Gigabit Ethernet ports (RJ45), Type-C, USB 3.0, and Micro HDMI to meet various peripheral connectivity needs.

5. Powerful modular expansion (optional)

Professional data collection: Optional one-dimensional/two-dimensional barcode scanner, NFC card reader, or ultra-high frequency UHF RFID module (with a reading distance of up to 8 meters).

Security recognition: Industrial grade or Ministry of Public Security certified fingerprint recognition modules can be optionally selected.

F100C industrial tablet windows 10 Core specification table

Specifications	
Product form	10.1-inch three proof tablet computer
material	Plastic+PC/Rubber TPU/Aluminum
Body dimensions	275*180*21.8mm

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weight	About 980g
Whole machine color	black
CPU	Intel ® celeron ® N5100 processor 4M cache, turbo frequency up to 2.80 GHz
GPU	Intel ® UHD Graphics
Memory/Hard Disk	RAM 8GB optional: 16GB SSD: 128GB optional: 256GB
operating system	Microsoft ® Windows 10/11 (HOME/PRO/IOT) Optional: Ubuntu 22.04
screen	Type: IPS LCD Size: 10.1 inch 16:10 Resolution: 800 * 1280 or 1200 * 1920 Brightness: 450cd/m ^{2} or 800cd/m ^{2}
touch screen	Multi point capacitive touch screen (G+G), hardness 7H/scratch resistant, supports stylus pen
camera	Front 5.0MP Rear 8.0MP, AF
button	Power button * 1 Volume+key * 1 Volume - Key * 1 P F function keys * 2
speaker	Built in 8 Ω/1.2W waterproof speaker * 2
microphone	Waterproof simulation MIC * 1
sensor	Gravity acceleration sensor
charging indicator light	*1
power adapter	100-240VAC 0.5A50/60Hz output DC12V/4A
battery	Polymer lithium-ion battery 6000mah/7.6V 8 hours (playing 1080P video without internet connection, screen 220 lumens, volume 50%)

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WiFi6	IEEE802.11a, b, d, e, g, h, i, k, n, r, u, v, w, ac, 2.4G+5G dual band WIFI
Bluetooth	BT5.1 (BLE) class1 transmission distance: 10m
satellite positioning	GPS+GLONASS+Beidou+Galileo （U-Blox M7N）
4G (optional)	LTE FDD: B1/B3/B5/B7/B8/B20； LTE TDD: B38/B40/B41； WCDMA: B1/B5/B8； GSM: B3/B8
I/O interface	RJ45 *1 10M/100M adaptive
	Type-C *1（OTG/Transfer port）
	USB2.0 *1
	∮3.5mm Standard headphone jack *1
	Pogo PIN *1 （USB+charge）
	Micro SIM card * 1 TF card * 1
	Micro HDMI *1
	DC 12V/4A *1
Functional components (optional)	NFC 13.56MHz 14443A/14443B/15693 and other protocols
	Barcode scanning 1D/2D one-dimensional code/two-dimensional code
	High frequency RFID&low frequency support 13.56MHZ/125K protocol
	Fingerprint module industrial fingerprint/Ministry of Public Security fingerprint/FBI fingerprint
Three defense characteristics	IP67, 1.2-meter drop resistant
	Working temperature: -20 ° C to 60 ° C
	Storage temperature: -30 ° C to 70 ° C
	Humidity: 95% without condensation
Optional accessories	hand wrap
	Charging dock (tablet+battery)

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	Car mount
certification system	CE
	IP67
	RHOS2.0
	IEC62133
	MSDS
	UN38.3
	Air and sea freight appraisal certificate

Application scenarios

• **Warehousing and distribution:** Real time asset management is achieved through optional scanning and RFID modules.

Outdoor exploration and mapping: With high brightness screens and four mode positioning, it is easy to cope with complex outdoor environments.

Public utility inspection: The lightweight design makes it convenient for inspection personnel to carry and work for long periods of time.

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Click on the link to learn more about the product details!

https://lqvis.com/

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