



Features

- Intel Jasper Lake Quad-Core processor
- 7H rated anti-scratch glass
- Multiple I/Os including 1x USB 3.0, 1x Type-C USB, 1x Mini HDMI
- Fanless operation

Technical Specifications

Primary Components

Processor Family	Intel Jasper Lake Quad-Core
Processor Model	N5100
Processor Speed	Up to 2.8 GHz
Memory Type	Onboard DDR4
Memory Support	4GB
Storage Support	32GB (Standard), up to 128GB (Optional)

Display

Screen Size	8"
Screen Resolution	1920 x 1200 (WUXGA)
Screen Ratio	16:10
Brightness	550 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
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External I/O Ports

USB	1x USB 3.0, 1x USB 3.0 type C
Video Outputs	1x Micro HDMI
Audio Ports	1x 3.5mm Headphone Jack
Power Input Port	3.5mm DC-in Jack

Power

Standard Power Adapter	AC100V~240V, 50Hz/60Hz output 19V/3.42A
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Battery

Battery Type	Removable 7.4V/5000mAh Battery
Battery Operating Time	9hrs

Operating Systems

Windows Windows 10 IoT, Windows 10 Pro, Windows 11 Pro

Expansion Slots

Video Card Support Intel HD Graphics
SD card 1x Micro SD Slot
Other Pogo Pin Expansion

Multimedia

Speakers 2x 0.8W Speakers
Camera Front: 5MP, Rear: 8MP
Microphone Built-in Microphone

Thermal & Environmental

Operating Temperature -20°C - 60°C (-4°F – 140°F)
Storage Temperature -30°C - 70°C (-22°F – 158°F)
Cooling Solution Passive – Fanless
Humidity Range 95% Non-condensing

Enclosure

Material Double Injection
IP Rating IP65
Color Black
Shock Rating MIL-STD-810G
Mounting Options Desktop Stand, Vehicle Mount
Approved Cleaning Solutions Acetone, Actichlor, Alcohol, Ammonium Nitrate (low concentration), Antigone, Betasept, Bleach, Caviwipes, Chloride, CIDEX, Control III Disinfectant Germicide, Dispatch Disinfectant Cleaner CLH69101, Incidin, Isopropyl Alcohol, LpH se, MikroBac, Mikrozid, Peridox, Puregreen 24 Disinfectant, SDW 70C, Sodium Hypochlorite, SporeClear, Trigene, Viraguard, Virkon, Windex, 3M HB Quat

Peripherals & Wireless Connectivity

WiFi	Wi-Fi a/b/g/n/ac
Bluetooth	Bluetooth 4.2
Mobile Network 4G LTE	Optional Onboard Quectel 4G LTE, North America, South America, EMEA, Australia/NZ
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	Optional RFID Scanner
Peripheral Other	Cigarette adapter, Digitizer pen, handstrap, desktop dock, vehicle dock, shoulder strap, back strap, mounts
Sensors	Accelerometer, Light Sensor

Weight / Dimensions

Weight	0.91 kg (2.0 lbs)
Dimensions	236 x 155 x 20 mm (9.3 x 6.1 x 0.8 in)

Warranty

Warranty	1 Year
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I/O Diagram Images



All specifications are subject to change without notice.