10.1" RUGGED TABLET PC | UR-100N



KEY FEATURES

- IP66-rated with MIL-STD-810H drop and shock resistance
- 10.1-inch, 800-nit sunlight-readable IPS display
- Finger, glove, wet-touch, and active stylus support
- Hot-swappable main battery with up to 10 hours of operation
- Modular I/O with Ethernet, USB, RS-232, and custom options
- Wi-Fi 6E, optional 4G LTE, and multi-constellation GNSS
- Six programmable function buttons and a 35-pin docking interface
- Windows 11 IoT Enterprise LTSC and Windows 11 Pro support

The UR-100N provides a rugged 10.1-inch Windows tablet platform for your industrial and field applications. The specifications below represent the sample configuration, which is available for volume orders. You can purchase this configuration as shown or work with Estone to tailor the product to your application and deployment requirements, subject to technical feasibility, component availability, and order volume.

SPECIFICATIONS

RUGGEDNESS

IP Rating	IP66
Drop Resistance	4 ft (1.2 m), per MIL-STD-810H, Method 516.8, Procedure IV
Shock Rating	MIL-STD-810H, Method 516.8, Procedure I

SYSTEM

Processor	**13th Gen Intel® Core™ i5-1335U Processor, up to 4.60 GHz, 12 MB Intel® Smart Cache** Optional: 12th Gen Intel® Core™ i5-1235U Processor, up to 4.40 GHz, 12 MB Intel® Smart Cache *Due to ongoing global processor supply constraints, alternative CPU options may be proposed and finalized in coordination with the customer based on real-time availability.
GPU	Intel® Iris® Xe Graphics eligible up to 1.20 GHz with i5-1235U / up to 1.25 GHz with i5-1335U
Memory	16 GB LPDDR5; 8 GB configuration available
Storage	256 GB M.2 2280 PCIe NVMe SSD; optional up to 1 TB
Operating System	Windows® 11 IoT Enterprise LTSC 2024, 64-bit; Windows 11 Pro, 64-bit
Hardware Security	TPM 2.0
Physical Security	Kensington Security Slot

DISPLAY

Display	10.1-inch IPS LCD
Resolution	1920 × 1200
Brightness	800 nits; sunlight-readable
Viewing Angle	85°/85°/85°/85° (L/R/U/D)
Contrast Ratio	1200:1
Touchscreen	10-point capacitive multi-touch
Touch Modes	Finger, glove, wet-touch, and active stylus support
Cover Glass	Chemically strengthened glass
Screen Protector	User-replaceable anti-glare film

POWER

Battery	Hot-Swappable Battery: 11.1 V, 6000 mAh (66.6 Wh) Internal Battery: 7.4 V 880 mAh (6.5 Wh)
Operating Time	Up to 10 hours, depending on configuration and usage
AC Adapter	Input: 100–240 V AC, 50/60 Hz Output: 19 V DC, 3.42 A

MECHANICAL

Dimensions	268.5 (W) × 191.0 (H) × 22.4 (D) mm 286.0 (W) × 255.0 (H) × 65.0 (D) mm (with Carry Handle)
Weight	1.2 kg (2.65 lb) 1.53 kg (3.37 lb) (with Carry Handle)

I/O INTERFACE

Sensors	Ambient light sensor; accelerometer
Audio	Built-in microphone; integrated speaker (95 dB)
Camera	Front: 5 MP Rear: 8 MP with autofocus and LED flash
USB	2 × USB 3.1 Gen 1 (5 Gbps) Type-A ports 1 × USB 3.1 Gen 1 (5 Gbps) Type-C port
Video Output	1 × HDMI 2.0
Card Slots	1 × microSDXC card slot 1 × nano-SIM card slot
Power Input	1 × USB Type-C power input (USB PD, 65W; 20 V DC, 3.25 A) 1 × DC-in jack (19 V DC)
Docking Interface	1 × 35-pin docking connector
Buttons	1 × power button 6 × programmable function buttons

I/O EXPANSION MODULE

Base Module	1 × Ethernet port (RJ45) and 1 × USB 2.0 Type-A port
Available Module	1 × RS-232 serial port
Custom Modules	Customer-specific I/O module configurations are available subject to engineering evaluation

COMMUNICATIONS

Wi-Fi	Wi-Fi 6E (IEEE 802.11a/b/g/n/ac/ax), 2.4 GHz, 5 GHz, and 6 GHz
Bluetooth	Bluetooth® 5.3
4G LTE (Optional)	Regional configurations available
GNSS	u-blox NEO-M9N; supports GPS, GLONASS, Galileo, and BeiDou

ENVIRONMENTAL

Temperature:	
- Operating	−20°C to 60°C (−4°F to 140°F)
- Storage	−40°C to 70°C (−40°F to 158°F)
Humidity	0% to 95% RH, non-condensing

CERTIFICATIONS & COMPLIANCE

Regulatory Compliance	FCC, CE, UKCA, KC, RCM
Environmental Compliance	RoHS, REACH
Additional Certification Support	Regional or industry-specific certifications can be supported upon request, subject to project requirements and technical feasibility.

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DIMENSIONS AND SYSTEM LAYOUT



DIMENSIONS WITH HANDLE



OPTIONAL ACCESSORIES AND MODULE



Battery Charger



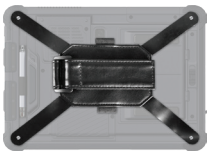
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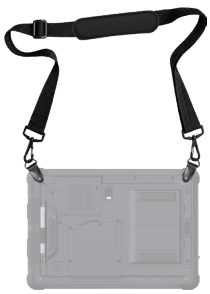
Docking Station



Carry Handle



Hand Strap



Shoulder Strap



AC Adapter





Standard I/O Expansion Module (Default)

1 × RJ45 Ethernet + 1 × USB 2.0 Type-A



Optional RS-232 Expansion Module

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