



[Manuals.plus](#) /

› [ONERugged](#) /

› ONERugged Rugged Tablet M20J User Manual

ONERugged M20J

ONERugged Rugged Tablet M20J User Manual

Model: M20J

INTRODUCTION

Welcome to the user manual for your new ONERugged M20J Rugged Tablet. This device is engineered for demanding environments, offering robust performance, exceptional durability, and versatile connectivity. This manual provides essential information on setting up, operating, maintaining, and troubleshooting your tablet to ensure optimal performance and longevity.

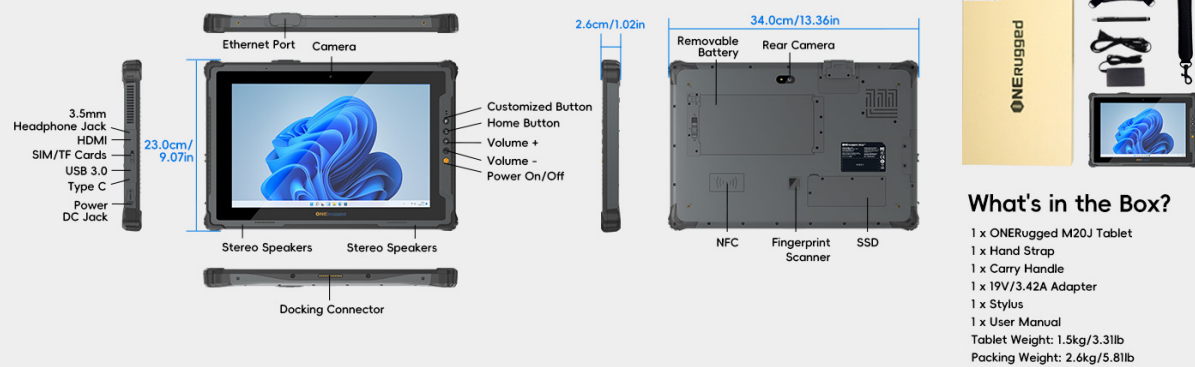


The ONERugged M20J Rugged Tablet, showcasing its durable design and included stylus.

WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- 1 x ONERugged M20J Tablet
- 1 x Hand Strap
- 1 x Carry Handle
- 1 x 19V 3.42A Adapter
- 1 x Stylus Pen
- 1 x User Manual (this document)



Visual representation of the ONERugged M20J tablet and its standard accessories.

PRODUCT FEATURES

Durability and Ruggedness

The M20J tablet is built to withstand harsh conditions, certified with IP65 and MIL-STD-810H standards. This ensures protection against dust, water jets, and drops from up to 4 feet, making it ideal for industrial and outdoor use.

IP65/MIL-STD-810H



The M20J tablet's resilience to water, dust, and impacts, highlighting its IP65 and MIL-STD-810H certifications.

High Performance

Equipped with an Intel N5105 processor (up to 2.9GHz) and 8GB RAM, the M20J delivers stable and efficient performance for multitasking and running demanding applications. It comes with 128GB of removable SSD storage, expandable with a 128GB TF card.

PERFORMANCE BEAST Intel Celeron N5105



Intel N5105
Processor



2.9Ghz
Frequency



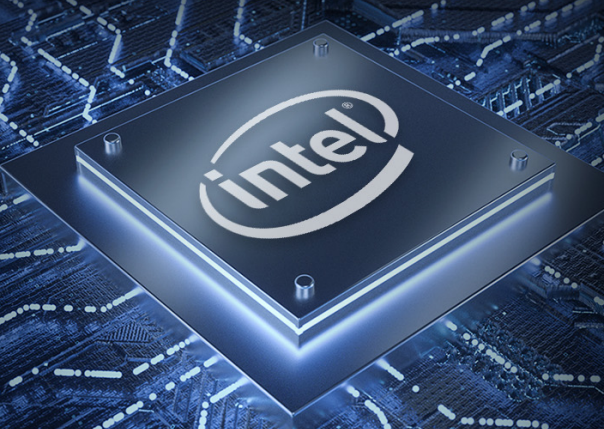
Windows 11 Pro
Operating System

The Intel Celeron N5105 processor, the core of the M20J's powerful performance.

Intel JASPER LAKE N5105

Boosted with the high-performance Intel N5105 Processor, enjoying lightning-fast startup, seamless multitasking and running every software smoothly.

-  CPU
Intel Celeron N5105
-  GPU
Intel UHD Graphics 620
-  Frequency
2.9GHz
-  Memory
8GB RAM+128GB ROM
(Up to 128GB Expansion)
-  Technology
10nm Process



Technical details of the Intel Jasper Lake N5105 processor.

Vibrant Display and Cameras

The 12.2-inch FHD IPS display (1920x1200P) offers vibrant colors and a wide viewing experience with 650 nits

brightness for readability even in direct sunlight. It features an 8MP rear camera and a 5MP front camera for clear imaging.



The M20J's 12.2-inch FHD IPS display with high brightness for outdoor visibility.



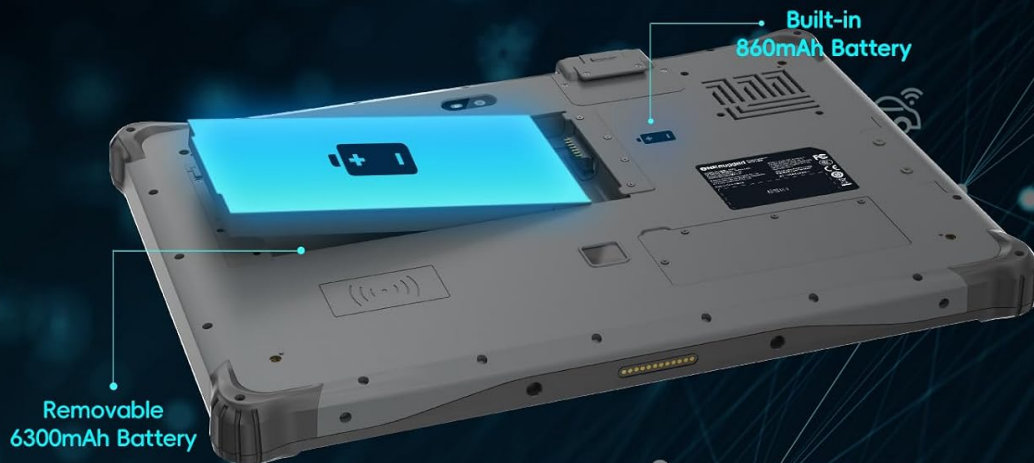
Details of the 5MP front and 8MP rear cameras on the M20J tablet.

Hot-Swappable Dual Batteries

The M20J features a unique dual-battery design: a removable 6300mAh battery and a built-in 860mAh battery. This allows for hot-swapping the main battery without shutting down the device, providing up to 6 hours of continuous operation.

Hot-Swappable Dual Batteries

The M20J's unique, hot-swappable dual-battery design allows for potentially uninterrupted battery life, supporting up to 6 hours long-lasting performance.

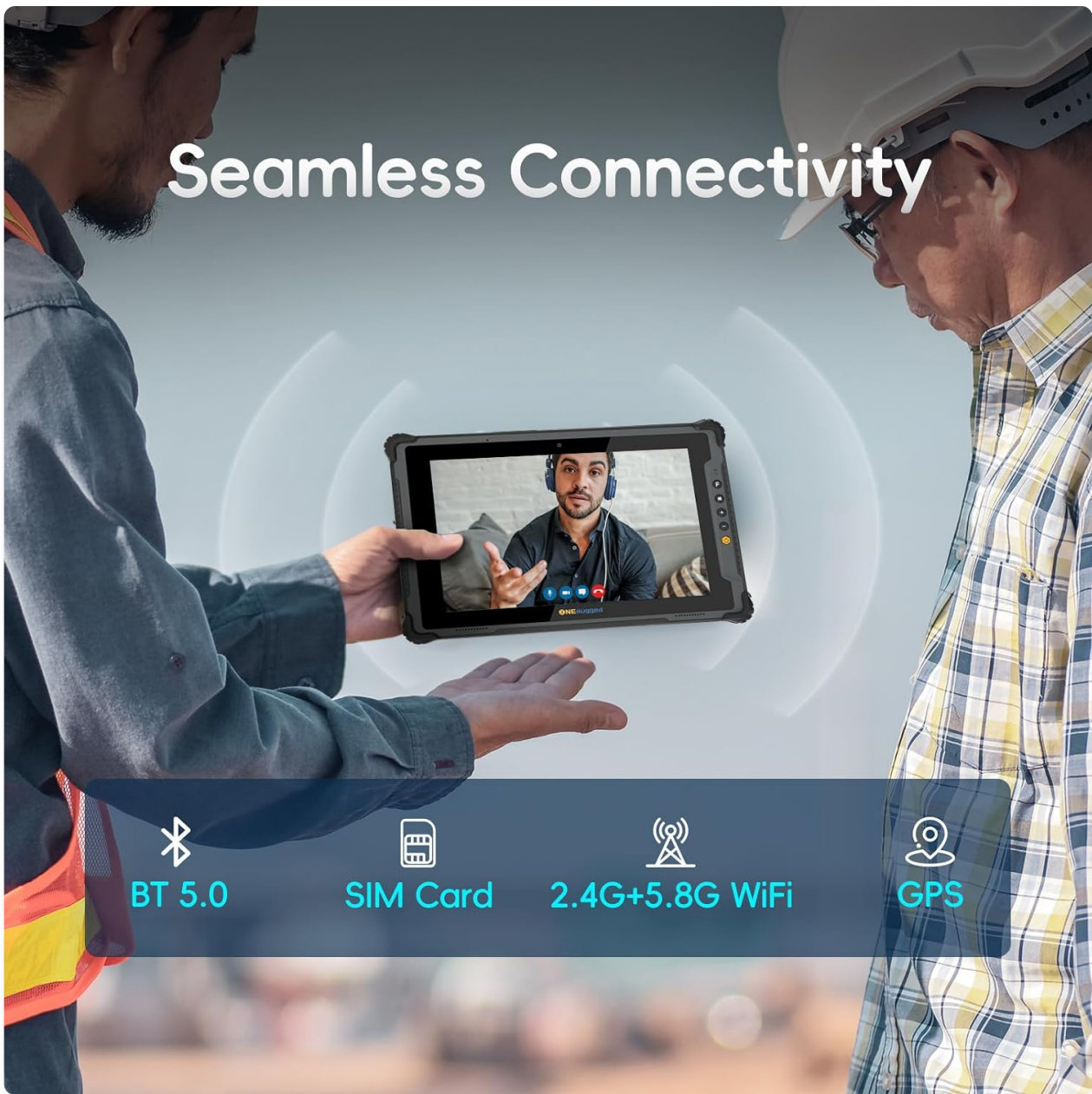


The innovative hot-swappable dual battery system for extended use.

Seamless Connectivity

Stay connected with 2.4G+5.8G dual-band WiFi, 4G LTE support (via Nano SIM), Bluetooth 5.0 for fast data transfer, and integrated GPS for navigation. The tablet also includes NFC and a Gravity Sensor.

Seamless Connectivity



The M20J's comprehensive connectivity options for various work environments.

SETUP GUIDE

1. **Unpacking:** Carefully remove all components from the packaging. Refer to the "What's in the Box" section to ensure everything is included.
2. **Initial Charge:** Before first use, fully charge the tablet using the provided 19V 3.42A adapter. Connect the adapter to the DC Jack port on the tablet and plug it into a power outlet. The charging indicator will illuminate.
3. **Power On:** Press and hold the Power On/Off button located on the side of the tablet until the screen lights up.
4. **Initial Windows Setup:** Follow the on-screen prompts to complete the Windows 11 Pro setup, including language selection, network connection, user account creation, and privacy settings.
5. **Insert SIM/TF Card (Optional):** If using 4G LTE or expanding storage, open the protective cover for the SIM/TF card slots and insert the cards as indicated. Ensure the cover is securely closed to maintain IP65 rating.
6. **Attach Accessories:** Attach the hand strap or carry handle as needed for secure handling in your work

environment.

OPERATING INSTRUCTIONS

- 1. Basic Navigation:** Use the touchscreen for navigation. Swipe, tap, and pinch-to-zoom as you would on any Windows tablet. The included stylus can be used for precise input.
- 2. Button Functions:**
 - **Power On/Off:** Press and hold to power on/off or restart. Short press to sleep/wake.
 - **Volume +/-:** Adjust audio volume.
 - **Home Button:** Returns to the Windows desktop or Start menu.
 - **Customized Button:** Function can be configured in settings for quick access to an application or feature.
- 3. Connecting to Networks:**
 - **Wi-Fi:** Go to Windows Settings > Network & Internet > Wi-Fi to connect to available wireless networks.
 - **4G LTE:** Ensure a Nano SIM card is inserted. Go to Windows Settings > Network & Internet > Cellular to enable and manage your mobile data connection.
 - **Bluetooth:** Go to Windows Settings > Bluetooth & devices to pair with Bluetooth peripherals like headphones or keyboards.
- 4. Using Cameras:** Open the Camera application from the Start menu to take photos or record videos using the front or rear cameras.
- 5. Hot-Swapping Batteries:** To hot-swap the main 6300mAh battery, ensure the tablet is powered on and the internal 860mAh battery has sufficient charge. Carefully unlatch and remove the main battery. Insert a charged main battery and secure the latch. The tablet will continue to operate without interruption.

No official product videos with "Seller" creator type were found for embedding in this manual.

MAINTENANCE

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner to clean the display. For the body, use a mild detergent solution if necessary. Avoid harsh chemicals or abrasive materials. Ensure all port covers are closed before cleaning with liquids.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Store the tablet in a cool, dry place when not in use for extended periods.
- **Software Updates:** Regularly check for and install Windows updates to ensure optimal performance, security, and compatibility.
- **Storage:** When storing the tablet, especially for long periods, ensure it is powered off and stored in a temperature-controlled environment.
- **Port Protection:** Always keep the protective covers over the ports when not in use to maintain the IP65 water and dust resistance.

TROUBLESHOOTING

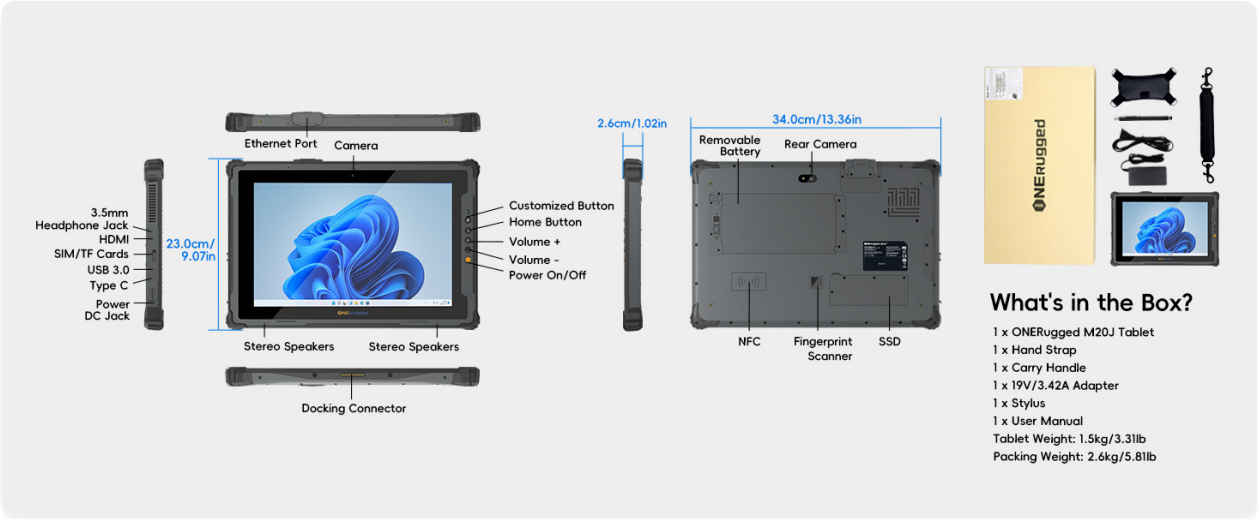
Problem	Possible Cause	Solution
Tablet does not power on.	Low battery; Power button not pressed long enough.	Charge the tablet for at least 30 minutes. Press and hold the power button for 5-10 seconds.

Problem	Possible Cause	Solution
Screen is unresponsive.	Software glitch; Screen protector interference.	Restart the tablet. Ensure screen protector is properly applied or remove it temporarily to test.
Wi-Fi connection issues.	Out of range; Incorrect password; Router issue.	Move closer to the router. Re-enter Wi-Fi password. Restart router and tablet.
Battery drains quickly.	High screen brightness; Many apps running in background; Old battery.	Reduce screen brightness. Close unused apps. Check battery health in settings. Consider replacing the removable battery if significantly degraded.
Tablet is slow or freezes.	Too many applications open; Low storage space; Malware.	Close unnecessary applications. Free up storage space. Run a Windows Defender scan.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model	M20J
Operating System	Windows 11 Professional
Processor	Intel N5105 (2.9 GHz Max)
Graphics Coprocessor	Intel UHD Graphics 620
RAM	8GB
Internal Storage	128GB Removable SSD
Expandable Storage	Up to 128GB TF card
Screen Size	12.2 Inches
Screen Resolution	1920 x 1200 Pixels (FHD IPS)
Screen Brightness	650 Nits
Rear Camera	8 MP
Front Camera	5 MP
Main Battery	6300mAh (Removable, Hot-Swappable)
Built-in Battery	860mAh
Average Battery Life	6 Hours
Wireless Connectivity	802.11a/b/g/n/ac (2.4G+5.8G Dual-Band Wi-Fi), Bluetooth 5.0, 4G LTE (Nano SIM)
Navigation	GPS
Other Features	NFC, Gravity Sensor, Fingerprint Scanner

Feature	Specification
Durability Rating	IP65, MIL-STD-810H
Item Weight	2.2 pounds (1.0 kg)
Product Dimensions	13.36 x 9.07 x 1.02 inches (34.0 x 23.0 x 2.6 cm)



Dimensional overview and port layout of the ONERugged M20J tablet.

WARRANTY AND SUPPORT

ONERugged provides a **12-month warranty** for the M20J Rugged Tablet, covering manufacturing defects and hardware malfunctions under normal use. For any issues or technical assistance, please contact ONERugged customer service.

Contact Information:

- **Online Customer Service:** Available 24 hours.
- **Technical Support:** Long-term technical support is provided.
- Refer to your purchase documentation or the ONERugged official website for specific contact methods.

Please retain your proof of purchase for warranty claims.