



EM-X14A

Enterprise-Grade Rugged Notebook

- 12th Gen® Intel® Core™ i5/i7 processor
- Intel® Iris® Xe Graphics eligible
- 14-inch FHD, optional touch screen, backlit keyboard
- Wi-Fi 6/4G/5G/BT 5.1, multiple communication options
- 4700mAh/11.4V+1300mAh/11.1V dual batteries
- IP65 high protection level, 1.22m drop resistance



Durability	- MIL-STD-810H certified 4ft, 26 drops (each side, edge, and corner) - IP65 certified ±4kV contact discharge, ±8kV air discharge
Operating System	- Windows 11 Pro - Optional Windows 11 Home/IOT
Processor	- Intel i5-1235U (12MB cache, up to 4.4GHz, 10 cores, 12 threads, TDP 15W) - Optional Intel i7-1255U (12MB cache, up to 4.7GHz, 10 cores, 12 threads, TDP 15W)
Graphics	Intel® Iris® Xe
Memory	16GB DDR5 SO-DIMM - Optional 32GB DDR5
Storage	256GB PCIe SSD - Optional 512GB/1TB SSD
Display	14.0" FHD (1920x1080), 1000 nits sunlight readable display - Optional 10-point capacitive touch screen, supports glove touch mode
Audio	- Integrated microphone - Integrated 3W speaker - Class K
Camera	MF 5.0 MP front camera
Keyboard & Input	- Touchpad x1 - KB (US) x1 Optional KB (DE)/KB (FR)/KB (EU) 4 buttons
Network & Connectivity	- Intel® Wi-Fi 6 /Wi-Fi 6E (802.11 ax) - Bluetooth® 5.1 - Optional 4G LTE LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GSM: / - Optional 5G - GPS module

Security	- Integrated TPM 2.0 - Optional HF-RFID (NFC) reader - Fingerprint scanner - Kensington lock
I/O Interface	- Micro SD card x1 - SIM card x1 - USB 3.2 Gen 2 (Type-A) x1 - Thunderbolt 4 (Type-C) x1 3.5mm audio jack x1 - HDMI 2.0a mini x1 10/100/1000 Ethernet (RJ45) x1 - Optional 12-pin Pogo pin x1 (charge & USB) - USB 3.2 Gen 1 (Type-A) x1 - USB 2.0 (Type-A) x1 10/100/1000 Ethernet (RJ45) x1 - Serial port (RS232: D-sub, 9-pin) x1 5.5 mm DC in jack x1
Battery & Charging	- AC adapter: 100-240V, 50Hz-60Hz, 71.82W (19V/3.78A) - Li-ion battery, 11.4V, 4700mAh, 6.5h - Li-ion battery, 11.1V, 1300mAh - Separate RTC 3V/210mAh
Expansion Module	- Optional 2nd NVME PCIe SSD - Optional user-definable PCIe module
Environment	- Operating temperature: -20°C to 60°C (-4°F to 140°F) - Storage temperature: -30°C to 70°C (-22°F to 158°F) - Humidity: 95% (non-condensing)
Dimension	363.2 mm(L) × 287.4 mm(W) × 42.1 mm(H)
Weight	2970g
Accessories	- Standard: Adapter, Removable battery, Cable AC - Optional: Quad charging dock
Warranty	One-year limited warranty standard

- Please contact your sales representative for feature availability.
- Battery life data is provided by Emdoor's laboratory. Default test conditions: 300 nits display brightness, 30 cm/70 dB sound level. Actual results may vary depending on test environments and methods.
- Certified to MIL-STD-810H and IP standards. For specific test items and methods, please refer to the latest official test report.
- Body dimensions and weight are measured by Emdoor's laboratory. Variations may occur due to measurement methods and manufacturing processes.
- All product images, specifications, user interface, and features are for reference only and may vary by production batch or other factors. All information is subject to change without prior notice.

ACCESSORIES

Standard



Adapter



Removable Battery



Cable AC



Quad Charging Dock

CONTACT US

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Optional