



# CM-EM82A

## 8" High-Performance Rugged Tablet

- 8" lightweight body, making it perfect for taking anywhere
- Equipped with advanced 12th Gen Intel® Core™ processor
- An active intelligent cooling system to enhance heat dissipation
- 43.32Wh removable battery for a longer duration
- Speedy Wi-Fi 6E, enabling faster speeds and lower latency
- Versatile I/O and optional modules for all kinds of applications



# CM-EM82A

## SPECIFICATIONS

Windows 11



<b>Durability</b>	<ul style="list-style-type: none"><li>- MIL-STD 810H certified</li><li>- 4ft, 26 drops (each side, edge, and corner)</li><li>- IP67 certified</li><li>- ±8kV contact discharge, ±10kV air discharge</li></ul>
<b>Operating System</b>	<ul style="list-style-type: none"><li>- Windows 11 Pro</li><li>- Optional Windows 11 Home/IOT</li></ul>
<b>Processor</b>	<ul style="list-style-type: none"><li>- Intel i5-1235U (12MB cache, up to 4.4 GHz, 10 cores, 12 threads, TDP 15W)</li><li>- Optional Intel i7-1255U (12MB cache, up to 4.7 GHz, 10 cores, 12 threads, TDP 15W)</li></ul>
<b>Graphics</b>	<ul style="list-style-type: none"><li>- Intel® Iris® Xe Graphics eligible</li></ul>
<b>Memory</b>	<ul style="list-style-type: none"><li>- 16GB LPDDR4 on board</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>- 128GB SSD</li><li>- Optional 256GB SSD</li><li>- Optional 512GB SSD</li></ul>
<b>Display</b>	<ul style="list-style-type: none"><li>- 8", FHD (1200x1920), 550 nits</li><li>- Optional 8", HD (800x1280), 1000 nits</li><li>- 10-point capacitive touchscreen, supports an active pen</li><li>- Optional 10-point capacitive touchscreen, supports glove &amp; water touch mode</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>- Integrated 1W speaker x1</li><li>- Integrated microphone</li><li>- Class K</li></ul>
<b>Camera</b>	<ul style="list-style-type: none"><li>- FF 5.0 MP front camera</li><li>- AF 13.0 MP rear camera and flashlight</li></ul>
<b>Keyboard &amp; Input</b>	<ul style="list-style-type: none"><li>- 5 buttons (user-definable key x1)</li></ul>
<b>Network &amp; Connectivity</b>	<ul style="list-style-type: none"><li>- Intel® Wi-Fi 6E (802.11 ax)</li><li>- Bluetooth® 5.3</li><li>- 4G LTE</li><li>- LTE-FDD: B1/3/5/7/8/20/28</li><li>- LTE-TDD: B38/40/41</li><li>- GSM: /</li><li>- GPS/Glonass module</li></ul>

<b>Security</b>	<ul style="list-style-type: none"><li>- Integrated TPM2.0</li><li>- Fingerprint scanner</li><li>- Optional HF-RFID (NFC) reader</li></ul>
<b>Data Capture</b>	<ul style="list-style-type: none"><li>- Optional 1D/2D barcode reader</li></ul>
<b>I/O Interface</b>	<ul style="list-style-type: none"><li>- Nano SIM + Micro SD card</li><li>- USB 3.2 (Type-A) x1</li><li>- USB 3.2 (Type-C) x1</li><li>- 10/100/1000M Ethernet (RJ45) x1</li><li>- 4.0 mm DC in jack x1</li><li>- 12-pin Pogo pin x1 (Charge &amp; USB)</li></ul>
<b>Battery &amp; Charging</b>	<ul style="list-style-type: none"><li>- Li-ion battery, 7.6V, 5700mAh, 6h48min</li><li>- RTC 3V/1mAh on board</li><li>- AC adapter: 100-240V, 50Hz-60Hz, 48W (12V/4A)</li></ul>
<b>Environment</b>	<ul style="list-style-type: none"><li>- Operating temperature: -20°C to 60°C (-4°F to 140°F)</li><li>- Storage temperature: -30°C to 70°C (-22°F to 158°F)</li><li>- Humidity: 95% (non-condensing)</li></ul>
<b>Dimension</b>	<ul style="list-style-type: none"><li>- 236.8 mm (L) × 155.8 mm (W) × 21.6 mm (H)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>- About 850g</li></ul>
<b>Accessories</b>	<ul style="list-style-type: none"><li>- Standard: Adapter, Hand strap</li><li>- Optional: Docking charger, Shoulder strap, Carry handle, Vehicle mount, Car charger, Stylus</li></ul>
<b>Warranty</b>	<ul style="list-style-type: none"><li>- One-year limited warranty standard</li></ul>

1. Please contact your sales representative for feature availability.
2. 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.
3. Certified to MIL-STD-810H and IP standards. For specific test items and methods, please refer to the latest official test report.
4. Body dimensions and weight are measured by Emdoor's laboratory. Variations may occur due to measurement methods and manufacturing processes.
5. 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



Hand strap

### Optional



Docking charger



Vehicle mount



Car charger



Shoulder strap



Carry handle



Stylus

