Introduction
DLT-M8110 is a fully rugged detachable vehicle-mounted terminal designed to satisfy warehouse requirements. Powered by an Intel® Atom™ E3827 processor with 4 GB of DDR3L memory, DLT-M8110 features integrated Wi-Fi technology for logistics operations, Bluetooth 4.0 for connecting peripheral devices, and a built-in camera and 2D barcode scanner for data collection. The inclusion of an external hot-swappable battery that supports up to 8 hours of off-vehicle operation ensures convenient long-duration usage. Finally, DLT-M8110 is 5M3 and MIL-STD-810F certified for shock and vibration tolerance as well as IP65 rated for protection from dust and water ingress, making it ideal for industrial warehouse applications.

Specifications

<table>
<thead>
<tr>
<th>System</th>
<th>CPU</th>
<th>Intel® Atom™ E3827 dual-core, 1.75 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Storage</td>
<td>1 x SODIMM, DDR3L-1067, 4 GB, 1 x mSATA SSD with 32/128 GB</td>
</tr>
<tr>
<td>Housing</td>
<td>Completely sealed, fanless design with hardened polypropylene coating</td>
<td></td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>Terminal w/o Handstrap</td>
<td>309.36 x 221 x 31.8 mm (12.18 x 8.70 x 1.25 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.3 kg (2.86 lb)</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>Type</td>
<td>10.4&quot; XGA (1024 x 768), 4:3 format, with optional P-CAP or resistive touch</td>
</tr>
<tr>
<td></td>
<td>Touchscreen</td>
<td>Optional P-CAP or resistive touch</td>
</tr>
<tr>
<td></td>
<td>Brightness</td>
<td>400 cd/m² typical</td>
</tr>
<tr>
<td>Control Buttons</td>
<td>Front Panel</td>
<td>7 x control buttons (4 x programmable dual-function keys plus 1 x Scan, 1 x Power, 1 x Shift function button)</td>
</tr>
<tr>
<td>Software</td>
<td>Operating System</td>
<td>Windows Embedded 8 Standard, Windows Embedded 8.1 Industry Pro, Windows Embedded Standard 7, Windows 7 Pro (64 bit), Windows 10 IoT</td>
</tr>
<tr>
<td>Communication</td>
<td>Wi-Fi (Terminal)</td>
<td>WLAN IEEE 802.11 a/b/g/n integrated, dual-band diversity</td>
</tr>
<tr>
<td></td>
<td>WPAN</td>
<td>Bluetooth 4.0</td>
</tr>
<tr>
<td>Camera</td>
<td>5-megapixel CMOS camera with auto-focus</td>
<td></td>
</tr>
<tr>
<td>Scan Functionality</td>
<td>1D/2D barcode scanner</td>
<td></td>
</tr>
<tr>
<td>Audio</td>
<td>2 x integrated speakers</td>
<td></td>
</tr>
<tr>
<td>Interfaces</td>
<td>USB</td>
<td>1 x USB 3.0 (underneath battery pack), 1 x SMA antenna (rear) for Wi-Fi passthrough (terminal to antenna), 1 x Pogo pins (Positioned on the button) for electrical docking/undocking interface</td>
</tr>
<tr>
<td>Power Supply</td>
<td>1 x DC-in underneath battery pack (12 Vcc) Slim hot-swappable battery pack supports 2.5 hours operation Optional large hot-swappable battery pack supports 8 hours operation</td>
<td></td>
</tr>
<tr>
<td>Environmental</td>
<td>IP Rating</td>
<td>IP65</td>
</tr>
<tr>
<td></td>
<td>Operating Temperature</td>
<td>-20 ~ 50 °C (-22 ~ 122 °F)</td>
</tr>
<tr>
<td></td>
<td>Relative Humidity</td>
<td>10 ~ 90% at 40 °C (104 °F), non-condensing</td>
</tr>
<tr>
<td></td>
<td>Shock/Vibration</td>
<td>5M3 (DIN EN 60721-3-5) and MIL-STD-810F (US highway truck vibration exposure)</td>
</tr>
<tr>
<td>Certifications</td>
<td>CE/FCC Class B, UL/CUL, JATE</td>
<td></td>
</tr>
</tbody>
</table>

All product specifications are subject to change without notice. Last updated: 25-Apr-2018
## Specifications of Vehicle Docking Station

<table>
<thead>
<tr>
<th>Dimensions (W x H x D)</th>
<th>250 x 303 x 121.5 mm (9.84 x 11.92 x 4.78 in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>2.3 kg (5.07 lb)</td>
</tr>
<tr>
<td>Material</td>
<td>Magnesium aluminum alloy with hardened polypropylene coating</td>
</tr>
<tr>
<td>Lock Protection</td>
<td>Standard key lock for terminal (no customization); advanced anti-theft protection with optional padlock</td>
</tr>
<tr>
<td>Communication</td>
<td>Wi-Fi External antenna through RSMA connector</td>
</tr>
<tr>
<td>Interfaces</td>
<td>(Vehicle Docking Station)</td>
</tr>
<tr>
<td>LAN</td>
<td>1 x RJ45</td>
</tr>
<tr>
<td>USB</td>
<td>3 x USB 2.0 (Hi-Speed™)</td>
</tr>
<tr>
<td>Serial</td>
<td>2 x RS-232</td>
</tr>
<tr>
<td>Power</td>
<td>1 x DC-In (12/24/48 V nominally)/DC-Out to terminal (12 V)</td>
</tr>
<tr>
<td>Wi-Fi Passsthrough</td>
<td>1 x SMA antenna (rear) for Wi-Fi passsthrough (terminal to antenna)</td>
</tr>
<tr>
<td>Electrical</td>
<td>Pegs pins for electrical docking/undocking interface</td>
</tr>
<tr>
<td>Power Supply</td>
<td>12/24/48 V nominally (0 – 60 Vcc max.) integrated</td>
</tr>
<tr>
<td>Environmental</td>
<td>IP Rating: IP54</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20 – 50 °C (-4 – 122 °F)</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>10 – 90% at 40 °C (104 °F), non-condensing</td>
</tr>
<tr>
<td>Shock/Vibration</td>
<td>5M3 (DIN EN 60721-3-5) and MIL-STD 810F (US highway truck vibration exposure)</td>
</tr>
</tbody>
</table>

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>CPU</th>
<th>Memory</th>
<th>Storage</th>
<th>Wi-Fi</th>
<th>BT</th>
<th>GPS</th>
<th>3G</th>
<th>OS</th>
<th>OS language</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLM8110-7R31E0W0E</td>
<td>DLT-M8110 Resist/4GB RAM/32GB mSATA/WiFi/WE8S</td>
<td>Intel Atom E3827 Dual Core 1.75GHz</td>
<td>4GB</td>
<td>32GB</td>
<td>V</td>
<td>V</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>WE8S</td>
</tr>
<tr>
<td>DLM8110-7P31E0W0E</td>
<td>DLT-M8110 PCAP/4GB RAM/32GB mSATA/WiFi/WE8S</td>
<td>Intel Atom E3827 Dual Core 1.75GHz</td>
<td>4GB</td>
<td>32GB</td>
<td>V</td>
<td>V</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>WE8S</td>
</tr>
</tbody>
</table>

Further configurations on request!

### Packing List

- Power Cable VDC 3m

### Mount Kit Options

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLT-M8110-MOUNT0E</td>
<td>Mount kits (all)</td>
</tr>
<tr>
<td>DLT-M8110-BKTVEH0E</td>
<td>Vehicle Base</td>
</tr>
<tr>
<td>DLT-M8110-BKTB00E</td>
<td>IR Keyboard</td>
</tr>
<tr>
<td>DLT-M8110-BKT1SD0E</td>
<td>Front Keyboard</td>
</tr>
<tr>
<td>DLT-M8110-BKTBAR0E</td>
<td>Barcode 1</td>
</tr>
<tr>
<td>TBC</td>
<td>Barcode 2</td>
</tr>
</tbody>
</table>

## Optional Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLT-M8110-VDOCK00E</td>
<td>Vehicle docking of DLT-M8110</td>
</tr>
<tr>
<td>DLT-M8110-OFCOCK00E</td>
<td>4 x battery charger</td>
</tr>
<tr>
<td>DLT-M8110-MCHARGE00E</td>
<td>Large-sized batteries</td>
</tr>
<tr>
<td>DLT-M8110-SBATT00E</td>
<td>Slim-sized batteries</td>
</tr>
<tr>
<td>DLT-M8110-MCHARG00E</td>
<td>Mount kits</td>
</tr>
<tr>
<td>DLT-M8110-CC077700010</td>
<td>External antenna</td>
</tr>
<tr>
<td>DLT-M8110-SSTRAP00E</td>
<td>Shoulder Strap</td>
</tr>
<tr>
<td>DLT-M8110-HSTRAP00E</td>
<td>Hard strap</td>
</tr>
</tbody>
</table>

Further configurations on request!