## Introduction

The DLT-V83 series are rugged vehicle-mounted terminals designed to increase productivity and maximize system uptime for logistics applications. Powered by an Intel® Core™ i5/Celeron® processor, DLT-V83 terminals support a wide operating temperature range (-30 ~ 50 °C/-22 ~ 122 °F) to withstand operation in extreme industrial environments (from hot and humid, to dry freezer environments). Deployment of this series ensures data integrity and integration across all logistics operations. Furthermore, the high system configurability, connectivity, and interface diversity allows the terminals to be easily customized to support specification application requirements.

## Specifications

### System

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Intel® Core™ i5-4300U dual-core, 1.9 GHz, with 4/8 GB RAM</td>
</tr>
<tr>
<td>Memory</td>
<td>Intel® Celeron® 2980U dual-core, 1.6 GHz, with 4/8 GB RAM</td>
</tr>
<tr>
<td></td>
<td>8/16/32/64/128/256 GB CFast</td>
</tr>
<tr>
<td></td>
<td>2.5&quot; SSD with 128 GB (optional)</td>
</tr>
</tbody>
</table>

### Housing

- Coated aluminum with completely sealed, fanless design

### Dimensions (W x H x D)

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions (mm)</th>
<th>Dimensions (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLT-V8310</td>
<td>289.3 x 262.8 x 89</td>
<td>11.39 x 10.35 x 3.50</td>
</tr>
<tr>
<td>DLT-V8312</td>
<td>328.4 x 293.9 x 94.7</td>
<td>12.93 x 11.57 x 3.73</td>
</tr>
<tr>
<td>DLT-V8315</td>
<td>390 x 342 x 98</td>
<td>15.35 x 13.46 x 3.86</td>
</tr>
</tbody>
</table>

### Weight

- DLT-V8310: 4.3 kg (9.47 lb) without antenna
- DLT-V8312: 5.5 kg (12.12 lb) without antenna
- DLT-V8315: 6.2 kg (13.66 lb) without antenna

### Display

- DLT-V8310 (i5 and Celeron Models): 10.4" XGA color TFT with 1024 x 768 resolution and 400 cd/m² brightness
- DLT-V8310 (Celeron Model): 10.4" SVGA color TFT with 800 x 600 resolution and 400 cd/m² brightness
- DLT-V8312 (i5 and Celeron Models): 12.1" XGA color TFT with 1024 x 768 resolution and 500 cd/m² brightness
- DLT-V8315 (i5 and Celeron Models): 15.1" XGA color TFT with 1024 x 768 resolution and 400 cd/m² brightness

### Touchscreen

- High-impact tolerant touchscreens available with two control types:
  - Resistive touchscreen with 5/26 x control buttons
  - Projected capacitive multi-touch screen with 9 x control buttons
  - Sunlight-readable resistive touchscreen with 26 x control buttons (Celeron model only)

### Control Buttons

- Front Panel: 5/9/26 x control buttons

### Software

- Operating System: Windows 10 IoT Enterprise, WES 7, Win7 Pro, WE 8.1 Industry Prot (on request), Linux (on request)
- Emulations (Third-Party): VT100, VT220, IBM 5250, TN 3270, Citrix Client®, Freefloat Access One

### Communication

- WLAN IEEE 802.11 a/b/g/n/ac (Optional)
- WWAN (LTE, UMTS, HSPA+, GSM, GPRS, EDGE) (Optional)
- LAN Ethernet 10/100/1000 Mbit/s with optional secondary Ethernet
- WPAN Bluetooth 5.0 (Optional)

### I/O Interfaces

- Serial 2 x RS-232, alternatively 1 x RS-232 and RS-422/485
- USB 3 x USB 2.0 (Hi-Speed™) bootable, 1 x service USB 2.0 (Hi-Speed™) bootable
- CAN Optional
- External Antennas 2 x RSMA for WLAN, 2 x SMA for WWAN (optional)

### Audio

- 1 x integrated speaker (2W)

### Power Supply (Internal)

- 12/24/48 VDC nominal voltage with automatic Power On/Off functionality via vehicle ignition and optional uninterruptible power supply (10 minutes typical); 110/230 VAC, 50/60 Hz, optional for DLT-V8315

### Environmental

- IP66 rating for the entire system
- Touchscreen Durability: IP66 rating for the entire system
- Operating Temperature: -30 ~ 50 °C (-22 ~ 122 °F)
- Relative Humidity: 10 to 90% at 40 °C (104 °F), non-condensing
- Shock/Vibration: 5M3/EN 60721-3-5 for 10" and 12", 5M2 (EN 60721-3-5) for 15" and MIL-STD 810F (US highway truck vibration exposure)

### Certification

- CE Immunity Class A, Emission Class B/FCC Class B, CCC (for China), MIC (for Japan)
**Dimensions**

**DLT-V8310**

**DLT-V8312**

**DLT-V8315**

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Display</th>
<th>CPU</th>
<th>Touch</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLV8310-1G100F0</td>
<td>DLT-V8310C FL barebone 4GB res SVGA 26key</td>
<td>10.4&quot; SVGA</td>
<td>Intel® Celeron® 2980U Dual Core 1.6 GHz</td>
<td>Resistive touch</td>
<td>DC</td>
</tr>
<tr>
<td>DLV8312-1A100F0</td>
<td>DLT-V8312C FL barebone 4GB res XGA 5key</td>
<td>12.1&quot; XGA</td>
<td>Intel® Celeron® 2980U Dual Core 1.6 GHz</td>
<td>Resistive touch</td>
<td>DC</td>
</tr>
<tr>
<td>DLV8315-4J300F0</td>
<td>DLT-V8315i5 FL barebone 8GB PCT XGA 9key</td>
<td>15.1&quot; XGA</td>
<td>Intel® Core™ i5-4300U Dual Core 1.9 GHz</td>
<td>PCT Touch</td>
<td>AC</td>
</tr>
</tbody>
</table>

Further configurations on request!

**Optional Accessories**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL-MTKT009</td>
<td>Mobile Mounting Bracket</td>
</tr>
<tr>
<td>DL-MTRM004</td>
<td>RAM-Mount Set, one arm, arm length 130mm</td>
</tr>
<tr>
<td>DL-MTRM003</td>
<td>RAM-Mount Set, one arm, arm length 215mm</td>
</tr>
<tr>
<td>DL-MTRM001</td>
<td>RAM-Mount Set, two arms, arm length 150mm</td>
</tr>
</tbody>
</table>

Further configurations on request!

**I/O Connectors**

**VDC**

**VAC** – option only available for DLT-V8315

[Images of I/O connectors and optional accessories]