

DLT-V83 Series

Rugged, High-Performance Vehicle-Mounted Terminal



Features

- 10/12/15" color TFT display
- Intel® Core™ i5-4300U/Celeron® 2980U dual-core processor
- Rugged, IP66-rated design with 5M2/5M3 certification
- Fully configurable to support specific application requirements
- Impact tolerant, abrasion-resistant touchscreen with IK08 classification
- Integrated uninterruptible power supply (supports up to 10 minutes operation)
- Wide operating temperature range (-30 ~ 50 °C/-22 ~ 122 °F) with support for cold storage applications

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.

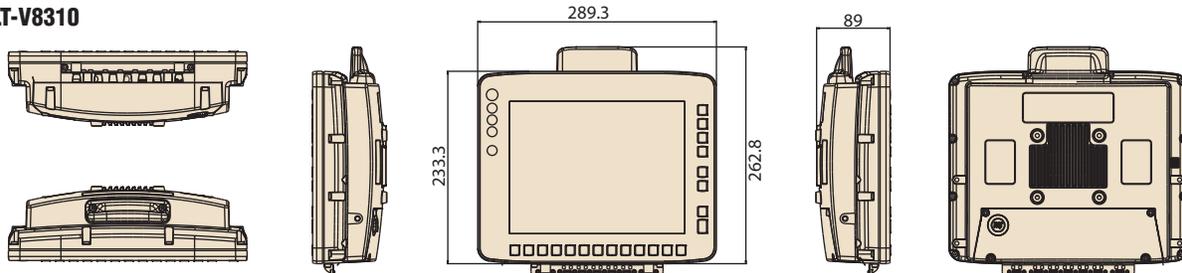
Specifications

System	CPU	Intel® Core™ i5-4300U dual-core, 1.9 GHz, with 4/8 GB RAM Intel® Celeron® 2980U dual-core, 1.6 GHz, with 4/8 GB RAM
	Memory	8/16/32/64/128/256 GB CFast 2.5" SSD with 128 GB (optional)
Housing		Coated aluminum with completely sealed, fanless design
Dimensions (W x H x D)	DLT-V8310	289.3 x 262.8 x 89 mm (11.39 x 10.35 x 3.50 in)
	DLT-V8312	328.4 x 293.9 x 94.7 mm (12.93 x 11.57 x 3.73 in)
	DLT-V8315	390 x 342 x 98 mm (15.35 x 13.46 x 3.86 in)
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/m ² brightness
	DLT-V8310 (Celeron Model)	10.4" SVGA color TFT with 800 x 600 resolution and 400 cd/m ² brightness
	DLT-V8312 (i5 and Celeron Models)	12.1" XGA color TFT with 1024 x 768 resolution and 500 cd/m ² brightness
	DLT-V8315 (i5 and Celeron Models)	15.1" XGA color TFT with 1024 x 768 resolution and 400 cd/m ² brightness
Touchscreen	Type	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	5/9/26 x control buttons
Software	Operating System	Windows 10 IoT Enterprise, WE8S, WE 8.1 Industry Pro, WES 7, Win7 Pro, Linux
	Emulations (Third-Party)	VT100, VT220, IBM 5250, TN 3270, Citrix Client®, Freefloat Access One
Communication	Wi-Fi/WWAN	Wi-Fi IEEE 802.11 a/b/g/n, WWAN (GSM, GPRS, EDGE, UMTS, HSPA) (optional)
	LAN	Ethernet 10/100/1000 Mbit/s with optional secondary Ethernet
	WPAN	Bluetooth (optional)
I/O Interfaces	Serial	2 x RS-232, alternatively 1 x RS-232 and RS-422/485
	USB	4 x USB 2.0 (Hi-Speed™) bootable, 1 x service USB
	CAN	Optional
Audio		1 x speaker (2W)
Power Supply (Internal)		12/24/48 V _{DC} nominal voltage with automatic Power On/Off functionality via vehicle ignition and optional uninterruptible power supply (10 minutes typical); 110/230 V _{AC} , 50/60 Hz, optional for DLT-V8315
Environmental	IP Rating	IP66 rating for the entire system
	Touchscreen Durability	IK08 according to IEC 62262
	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)

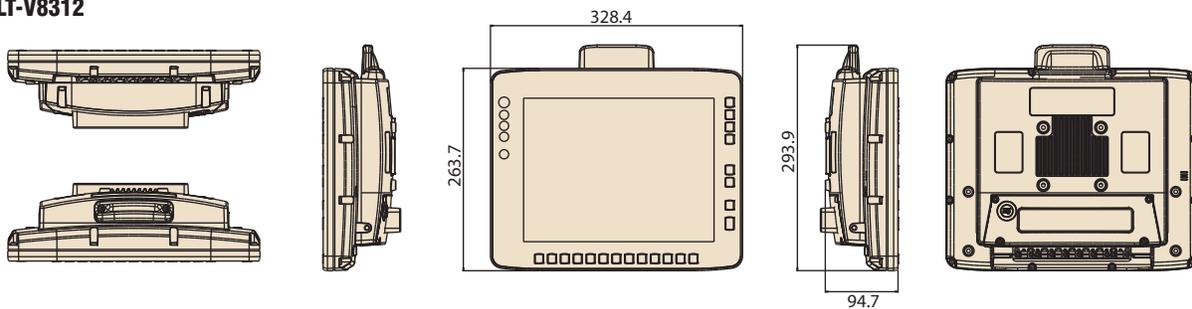
Dimensions

Unit: mm

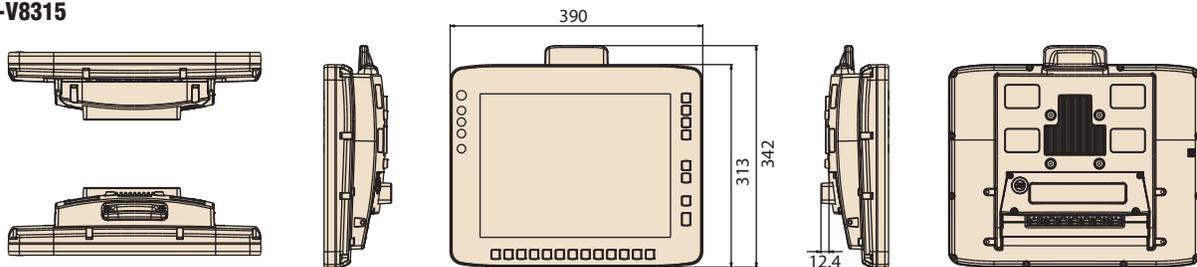
DLT-V8310



DLT-V8312



DLT-V8315



Ordering Information

Part Number	Description	CPU	Memory	Storage	Wi-Fi	BT	GPS	3G	OS	OS language
DLV8310-1FL170W0D0	DLT-V8310C 4GB res SVGA 5key WES7 APAC 32GB MLC	Intel Celeron 2980U dual-core	4GB	32GB	V	X	X	X	WES7	APAC (English, Japanese, Chinese trad., Chinese simpl.)
DLV8312-1CL170W0D0	DLT-V8312C 4GB res XGA 26key WES7 APAC 32GB MLC	Intel Celeron 2980U dual-core	4GB	32GB	V	X	X	X	WES7	APAC (English, Japanese, Chinese trad., Chinese simpl.)

Further configurations on request!

Packing List

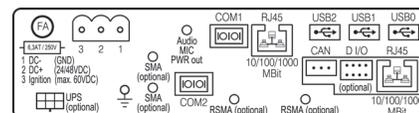
- Power Cable VDC 3m

Optional Accessories

Part Number	Description
DL-MEMT79375000	Mounting bracket mobile 15 grade fixed
DL-CMEMT70129800	RAM-Mount Set short 2.25" 1 Arm 130mm
DL-CMEMT70129700	RAM-Mount Set long Arm 215mm
DL-CMEMT70119300	RAM-Mount Set long double 1.5" Arm 150mm

Further configurations on request!

I/O Connectors



Mount Kit Options

