



Compact vehicle terminal for demanding environments

- ✓ **Compact and robust design for extreme environments**
Fully sealed, fanless aluminium housing with IP66 certification. Meets 5M3 shock and vibration resistance requirements and MIL-STD 810F tested for truck vibration.
- ✓ **High-performance hardware and Windows 11**
Powerful Intel CPUs and Windows or Linux for modern applications and simple management.
- ✓ **Versatile display options, 2 sizes: 10.4 and 12.1 inch**
Resistive or capacitive, optionally with defroster for use in cold environments.
- ✓ **Comprehensive connectivity options with Wi-Fi 6E and mobile communications**
Wi-Fi 6/6E, WWAN, Bluetooth, NFC and GPS. Two Gigabit LAN ports enable fast wired data communication.
- ✓ **Optional additional connection options**
CAN bus, digital I/O modules, serial interfaces (RS-232, RS-485, RS-422) and additional LAN connections.

Features

Display: DLT-V7310: 10.4 inch / DLT-V7312 / 12P+: 12, 1 inch, XGA colour TFT, 1024 x 768 px, resistive or capacitive, optionally with defroster

Keyboard: 12 keys / 3 keys

Operating system: Windows 11 IoT, Windows 10 IoT or Linux

CPU: Intel Core i5, 16 GB RAM or Intel Celeron, 8 GB RAM

Network connections: WLAN, WWAN, Bluetooth, LAN, USB

Additional features: ambient light sensor, acceleration sensor, gyroscope

Power supply: 12/24/48 V, optionally uninterruptible

Schutz: IP66, Vibration: 5M3 (EN 60721-3-5), MIL-STD 810F, Anzeige: IK08

Operating temperature: -30 to +50 °C

Dimensions (W x L x H): 268 x 267 x 57 / 298 x 290 x 67 mm

Weight: 4.0 / 4.8 / 4.6 kg

Optional accessories

Mounts

Sensors		1 x Ambient light sensor for automatic brightness control 1 x Accelerometer 1 x Gyroscope
Audio		2 x integrated Stereo-Loudspeaker (2 x 2.5 W)
Power Supply		12/24/48V certified vehicle power; Automatic power on/off function via vehicle ignition Optional uninterruptible power supply (UPS) via battery pack (supports up to 20 minutes of operation; battery life may vary according to load)
Environmental	IP Rating	IP66 rating for the entire system
	Operating Temperature	-30 ~ 50 °C (-22 to 122 °F) for DLT-V73 system -10 ~ 30 °C (14 to 86 °F) for UPS functionality
	Storage Temperature	-30 ~ 60 °C (-22 ~ 140 °F) for DLT-V73 system -20 ~ 50 °C (-4 ~ 122 °F) for UPS
	Relative Humidity	10 to 90% at 40 °C (104 °F), non-condensing
	Shock/Vibration	5M3 (EN 60721-3-5) MIL-STD 810F (US highway truck vibration exposure)
	Touchscreen Durability	IK08
Certifications		CE Immunity Class A, Emission Class B/FCC Class B (for EU and USA), CCC (for China), UKCA, BIS & WPC (for India), TELEC (for Japan)
Software	Certified 3rd Party Software	SOTI, Navis, StayLinked
	Advantech Device Management Software	DeviceOn
	DLT M-suite pre-installed software package	MDevice MKeyboard MWedge MBlank MPair MTouch
	Free of charge Features may vary by model and OS	
System	CPU	Intel® Core™ i5-1145GRE quad-core, 1.5 GHz, with 16 GB RAM LPDDR4X Intel® Celeron® 6305E dual-core, 1.8 GHz, with 8 GB RAM LPDDR4X
	TPM	TPM 2.0
	Storage	128 GB or 256 GB CFast
Dimensions (W x H x D)	DLT-V7310	268 x 267 x 57 mm (10.6 x 10.5 x 2.2 inch)
	DLT-V7312	298 x 290 x 67 mm (11.7 x 11.4 x 2.6 inch)
	DLT-V7312P+	298 x 270 x 67 mm (11.7 x 10.6 x 2.6 inch)
Weight	DLT-V7310	4.0 kg (8.7 lb)
	DLT-V7312	4.8 kg (10.5 lb)
	DLT-V7312P+	4.6 kg (10.1 lb)
Housing		Completely sealed, fanless design made of coated aluminum
Display	DLT-V7310	10.4" XGA color TFT with 1024 x 768 resolution and 500 cd/m² brightness, Aspect Ratio: 4:3
	DLT-V7312 / 12P+	12.1" XGA color TFT with 1024 x 768 resolution and 600 cd/m² brightness, Aspect Ratio: 4:3
Touchscreen	Resistive touchscreen	DLT-V7310 with 10" XGA display, 12 keys DLT-V7312 with 12" XGA display, 12 keys
	PCT Projective capacitive touchscreen	DLT-V7310 with 10" XGA display, 12 keys DLT-V7312 with 12" XGA display, 12 keys DLT-V7312P+ with 12" XGA display, 3 keys
	Resistive Touchscreen with Defroster	DLT-V7310 with 10" XGA display, 12 keys DLT-V7312 with 12" XGA display, 12 keys
Control Buttons	Front Panel 10" & 12"	12 x control buttons
	Front Panel 12" P+	3 x control buttons
OS	Operating System	Windows 11 IoT Enterprise, Windows 10 IoT Enterprise LTSC, Debian-based Linux
Communication	WLAN	WLAN diversity; IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6/6E: 2.4GHz; 5GHz; 6GHz)
	WWAN, GPS	WWAN (LTE, UMTS, HSPA+, GPS) (optional)
	LAN	1 x LAN (10/100/1000/2500 Mbit/s), 1 x LAN (10/100/1000 Mbit/s)
	WPAN	Bluetooth 5.3
	NFC	NFCIP-1 and NFCIP-2, ISO/IEC 14443, ISO/IEC 15693, MIFARE
Interfaces	Serial	1 x COM RS-232: 5 V _{oc} / 12 V _{oc} / RI (switchable)
	USB	2 x USB-A 3.2 Gen 1, 1 x USB-C 3.2 Gen 2, 1 x Service USB-C 3.2 Gen 2
	External Antenna	1 x RSMA for WLAN, 1 x SMA for WWAN (optional), 1 x SMA for GPS (optional)
		Available options (only one module at a time):
		1 x USB to Serial COM RS-232
		1 x USB to Serial COM RS-485
		1 x USB to Serial COM RS-422
AddOn Module (optional)		1 x USB-A 3.2 (Gen1)
		1 x LAN (10/100/1000 Mbit)
		1 x Digital I/O
		1 x CAN bus (CAN2.0/J1939/CAN FD)