



Kompaktes Fahrzeugterminal für anspruchsvolle Umgebungen

-  **Kompaktes und robustes Design für extreme Umgebungen**
Vollständig abgedichtetes, lüfterloses Aluminiumgehäuse mit IP66-Zertifizierung. Erfüllt 5M3-Schock- und Vibrationsresistenzanforderungen und nach MIL-STD 810F für Lkw-Vibrationen geprüft.
-  **Hochleistungsfähige Hardware für Windows, Linux oder Android**
Leistungsstarke Prozessoren und Speicher für moderne Anwendungen und einfache Verwaltung.
-  **Vielseitige Displayoptionen, 2 Größen: 10,4 und 12,1 Zoll**
Resistiv oder kapazitiv, optional mit Defroster für den Einsatz in kalten Umgebungen.
-  **Umfassende Konnektivitäts-Optionen mit Wi-Fi 6E und Mobilfunk**
Wi-Fi 6/6E, WWAN, Bluetooth, NFC und GPS. Zwei Gigabit-LAN-Ports ermöglichen eine schnelle kabelgebundene Datenkommunikation.
-  **Optional zusätzliche Anschlussmöglichkeiten**
CAN-Bus, digitale I/O-Module, serielle Schnittstellen (RS-232, RS-485, RS-422) und weitere LAN-Anschlüsse.

Eigenschaften

Display: 10,4 Zoll / 12,1 Zoll, XGA-Farb-TFT, 1024 x 768 px, resistiv oder kapazitiv, optional mit Defroster

Tastatur: 12 Tasten / 3 Tasten

Betriebssystem: Windows 11 IoT, Windows 10 IoT oder Linux / Android 14 mit Google GMS & AER

CPU: Intel Core i5, 16 GB RAM oder Intel Celeron, 8 GB RAM / Qualcomm Dragonwing octa-core 2,7GHz QCM6490, 8GB RAM

Netzwerkverbindungen: WLAN, WWAN, Bluetooth, LAN, USB

Zusätzliche Features: Umgebungslichtsensor, Beschleunigungs-Sensor, Gyroskop

Stromversorgung: 12/24/48 V, optional unterbrechungsfrei

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

Betriebstemperatur: -30 bis +50 °C

Abmessungen (B x L x H): 268 x 267 x 57 / 298 x 290 x 67 mm

Gewicht: 3,8 - 4,6 kg

Optionales Zubehör

Halterungen

System	CPU	Intel® Core™ i5-1145GRE quad-core, 1.5 GHz, with 16 GB RAM LPDDR4X
	TPM	Intel® Celeron® 6305E dual-core, 1.8 GHz, with 8 GB RAM LPDDR4X
	Storage	TPM 2.0 128 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, Ubuntu-based Linux (On project based)
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 (NFC for V73 x86/Linux supported by project base)
Interfaces	Serial	1 x COM RS-232: 5 V _{cc} / 12 V _{cc} / 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)
	AddOn Module (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 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)
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
	▪ Free of charge ▪ Features may vary by model and OS	MBlank MPair MTouch

System	CPU	Qualcomm Dragonwing™ octa-core 2.7GHz QCM6490 8GB LPDDR4X
	Storage	128GB UFS internal, expandable 128GB or 256GB microSD card
Dimensions	DLT-V7310AP FL	268 x 267 x 57 mm (10.6 x 10.5 x 2.2 inch)
	DLT-V7312AP FL	298 x 290 x 67 mm (11.7 x 11.4 x 2.6 inch)
	DLT-V7312AP+ FL	298 x 270 x 67 mm (11.7 x 10.6 x 2.6 inch)
Weight	DLT-V7310AP FL	3.8 kg (8.4 lb)
	DLT-V7312AP FL	4.6 kg (10.1 lb)
	DLT-V7312AP+ FL	4.4 kg (9.7 lb)
Housing		Completely sealed, fanless design made of coated aluminum
Display	DLT-V7310AP	10.4" XGA color TFT with 1024 x 768 resolution and 500 cd/m² brightness, Aspect Ratio: 4:3
	DLT-V7312AP / DLT-V7312AP+	12.1" XGA color TFT with 1024 x 768 resolution and 600 cd/m² brightness, Aspect Ratio: 4:3
Touchscreen	PCT Projective capacitive touchscreen	DLT-V7310AP with 10" XGA display, 12 keys DLT-V7312AP with 12" XGA display, 12 keys DLT-V7312AP+ with 12" XGA display, 3 keys
Control Buttons	Front Panel 10" & 12"	12 x control buttons
	Front Panel 12" P+	3 x control buttons
OS	Operating System	Android 14 AOSP & Android 14 Google GMS & AER, upgradable to Android 16
Communication	WLAN	WLAN diversity; IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6E)
	WWAN, GPS	5G/LTE(EU/NA separate) and GNSS(L1+L5 dual-band)
	LAN	1 x LAN (10/100/1000 Mbit/s)
	WPAN	Bluetooth 5.2
	NFC	NFCIP-1 and NFCIP-2, ISO/IEC 14443, ISO/IEC 15693, MIFARE
Interfaces	Serial	1 x COM RS-232: 5 V _{DC} / 12 V _{DC} / RI (switchable)
	USB	2 x USB-A 3.2 Gen 1, 1 x Service USB-C 3.2 Gen 1
	External Antenna	1 x RSMA for WLAN/WWAN, 3 x SMA for WWAN, 1 x SMA for GPS
	AddOn Module (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
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		12/24/48 V _{DC} nominally Automatic Power On/Off function via vehicle ignition with optional UPS (20 minutes typical); battery life may vary according to load
Environmental	IP Rating	IP66 rating for the entire system
	Boot up Temperature	-10 ~ 50 °C (14 ~ 122 °F) for DLT-V73A FL system
	Operating Temperature	-30 ~ 50 °C (-22 to 122 °F) for DLT-V73A FL system
	Storage Temperature	-30 ~ 65 °C (-22 ~ 149 °F) for DLT-V73A FL system
	Relative Humidity	-20 ~ 50 °C (-4 ~ 122 °F) for UPS
	Shock/Vibration	5M3 (EN 60721-3-5)
Certifications		MIL-STD 810F (US highway truck vibration exposure)
	Touchscreen Durability	IK08
Software	Certified 3rd Party Software	CE Immunity Class A, Emission Class B/FCC Class B (for EU and USA), UKCA
	Advantech Device Management Software	SOTI, StayLinked
		DeviceOn
		MDevice
		MTouch
		MBlank
		MWedge
		MFocus Kiosk Mode
		Advantech Launcher
		Advantech EMM Staging Tool