DLT-V7210 K
DLT-V7210 KD

Rugged, X86-Based Vehicle-Mounted Terminal with Integrated Keyboard

Features

- Intel® Atom™ E3845 quad-core, 1.91 GHz, with 4 GB RAM
- 10.1" widescreen WXGA color TFT display with 1280 x 800 resolution and 500 cd/m² brightness
- Optional PCT defroster, ideal for cold chain and cold storage applications
- Impact-tolerant, abrasion-resistant projected capacitive touchscreen
- Rugged, IP65-rated design with 5M3 certification for shock and vibration tolerance
- Wide operating temperature range (-30 ~ 50 °C/-22 ~ 122 °F)
- Integrated keyboard for convenient operation
- Optional uninterruptible power supply
- Optional smart sensors for extended functions e.g. screen blanking for driving safety
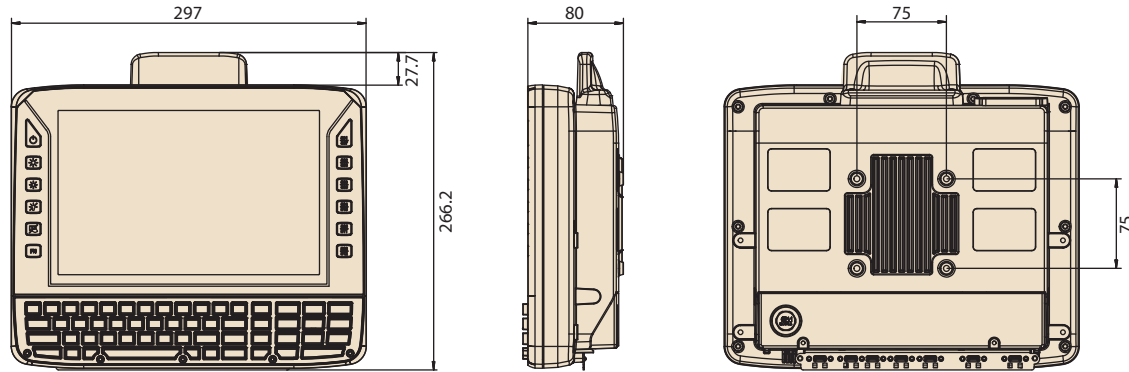
Introduction

DLT-V7210 K series is a rugged vehicle-mounted terminal with integrated keyboard designed for logistics applications and to provide maximum system uptime. Powered by an Intel® Atom™ E3845 quad-core, 1.91 GHz, processor with 4 GB RAM, DLT-V7210 K series supports a wide operating temperature range (-30 ~ 50 °C/-22 ~ 122 °F) to withstand operation in extreme industrial environments. DLT-V7210 KD also offers PCT defroster, which is ideal for cold chain and cold storage applications. The low-profile antenna offers excellent transmission capabilities in a compact form factor. Furthermore, the integrated user-friendly keyboard offers convenient operation and efficient data input. Meanwhile, the 10.1" widescreen WXGA color TFT display with touch control allows easy input and configurable touch sensitivity ensures easy operation with gloves.
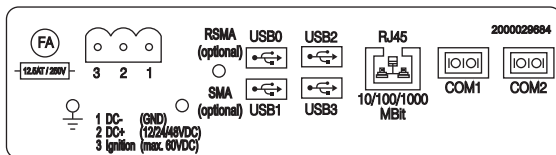
Specifications

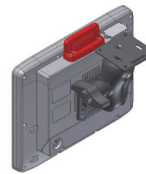|		
System	CPU	Intel® Atom™ E3845 quad-core, 1.91 GHz, with 4 GB RAM
	Memory	8Gb - 256GB CFast
Dimensions (W x H x D)		297.3 x 264.7 x 80 mm (11.7 x 10.42 x 3.15 in)
Weight		3.7 kg (8.2 lb) without battery pack/accessories
Housing		Coated aluminum with completely sealed, fanless design
Display		10.1" widescreen WXGA color TFT display with 1280 x 800 resolution and 500 cd/m² brightness
Touchscreen	Type	Sunlight-readable PCT multi touchscreen with optional defroster function (touch sensitivity configurable for glove operation)
Control Buttons/Keyboard	Front Panel	12 x control buttons (6 of which are programmable)
	Keyboard	Full-size keyboard (55 keys) with number pad, illuminated keys, and changeable silicon mat; Supports on-site replacement Keyboard versions: DLT-V7210K(QWERTY,QWERTZ,AZERTY); DLT-V7210KD(QWERTY)
Software	Operating System	Windows 10 IoT Enterprise, Windows 7 Pro, WES7, Debian-based Linux, IGEL Linux, Android 7.1.2
	Emulations (Third-Party)	VT100, VT220, IBM 5250, TN 3270, Citrix Client®, Freefloat Access One
Communication	WLAN	WLAN IEEE 802.11 a/b/g/n/ac (optional)
	WWAN	WWAN (LTE, UMTS, HSPA+, GSM, GPRS, EDGE) (optional)
	LAN	Ethernet 10/100/1000 Mbit/s
	WPAN	Bluetooth 4.2 (optional)
I/O Interfaces	Serial	2 x RS-232, COM1 with switchable 5 V_{DC}/RI
	USB	4 x USB 2.0 (Hi-Speed™) bootable, 1 x service USB 3.0 (Super-Speed™)
	External Antennas	1 x RSMA for WLAN, 1 x SMA for WWAN (optional)
Sensors		Accelerometer, Gyro (optional)
Audio		1 x integrated speaker
Power Supply (Internal)		12/24/48 V_{DC} nominal voltage with automatic Power On/Off function via vehicle ignition and optional uninterruptible power supply (20 minutes typical); battery life may vary according to load
Environmental	IP Rating	IP65 rating for the entire system
	Operating Temperature	-30 ~ 50 °C (-22 ~ 122 °F)
	Relative Humidty	10 to 90% at 40 °C (104 °F), non-condensing
	Shock/Vibration	5M3 (EN 60721-3-5) and MIL-STD 810F (US highway truck vibration exposure)
	Touchscreen Durability	IK 08
Certification		CE Immunity Class A, Emission Class B/FCC Class B (for EU and USA), CCC (for China)

ADVANTECH

Dimensions

Unit: mm

297

27.7

266.2

80

75

75

I/O Connectors

FA

12.6AT / 250V

3 2 1

RSMA (optional)

SMA (optional)

USB0

USB1

USB2

USB3

RJ45

10/100/1000 MBit

COM1

COM2

2000029684

1 DC-   (GND)
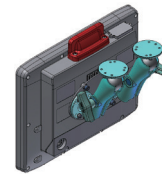2 DC+   (12/24/48VDC)
3 Ignition (max. 60VDC)

Mount Kit Options

RAM-Mount Set (one arm)

RAM-Mount Set (two arms)

Mobile Mounting Bracket
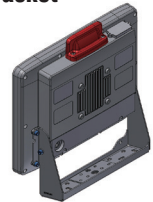
Optional Accessories

Part Number	Description
DL-MTKT009	Mounting bracket mobile
DL-MTRM004	RAM-Mount Set, one arm, arm length 130mm
DL-MTRM003	RAM-Mount Set, one arm, arm length 215mm
DL-MTRM001	RAM-Mount Set, two arms, arm length 150mm

Further configurations on request!