Mobile Data Terminal (MDT) Touch

Provide better information on the road with an easy-to-read, color touch display

The 10.1" Touch MDT (Mobile Display Terminal) is Vontas' latest display/control for the V8 IVLU (Integrated Vehicle Logic Unit). This large, bright TFT color display provides operators with a user-friendly experience, featuring anti-glare coating, automatic day/night modes, and touchscreen controls, helping your operators and dispatch make better decisions during service. Ideal for challenging environments, the MDT's 3H hardness and resistive-touch interface are compatible with gloves and polarized lenses.

Overview

Make It Simple and Easy to Use for Your Operators

- Supports significantly upgraded user experience; provides similar touchscreen experience as everyday digital devices, requiring no formal training to manipulate
- Ambient light sensor allows automatic switching between day/night modes
- Features 3H, anti-glare, resistive display that is glove-and-polarized-lens compatible
- Offers multiple map views; easily maintains headway spacing with intuitive icon

Enjoy Long Service Life

- Durable, scratch-resistant glass surface protects touchscreen display; encased in rugged polycarbonate
- Stands up to harsh transit environment, providing many years of service

Seamlessly Integrate with the V8 IVLU and VI IVLU

- Single MDT cable provides power, control, and video from the V8 IVLU and VI IVLU (Integrated Vehicle Logic Unit)
- V8 IVLU and VI IVLU Mobile Software manages screens and touch controls
- Adjusts brightness and contrast from both V8 IVLU/VI IVLU and user interaction

Support Data Input Devices

- Supports direct connection to select magnetic stripe or proximity card readers

Agency Benefits

Low Ownership Cost

MDT Touch is designed to provide years of service, specifically manufactured to withstand the harsh conditions encountered in the transit environment.

Increased Operational Efficiency

Touch screen control allows operators to control transit vehicle operations through a self-explanatory, fully graphic user interface on their own personal command and control console.

Enhanced Driver Safety

With fewer operator clicks needed to perform workflows, the MDT Touch enables drivers to focus on the road, keeping everyone's safety the top priority. It is also equipped with an internally controlled light sensor - the display continually adjusts the background lighting to meet existing ambient light conditions, further enhancing the safety of the driver.

Better Communication

MDT Touch helps operators communicate more efficiently with dispatch, getting timely performance feedback with a large color touchscreen that is intuitive to use and requires no formal training to operate. Operators easily manage audio capabilities through the MDT, such as voice communications with the dispatch center for private handset calls, fleet announcements over the operator's speaker, and the on-board public address system.

Passenger Benefits

Safer Passenger Journeys

- Enables operators to fulfill their tasks with minimal manipulation, allowing them to focus on driving
- Ensures safer nighttime driving
- Background lighting controlled by a light sensor adjusts automatically to light conditions; drivers may also manually adjust the brightness of the display

Better On-time Performance

- Displays schedule adherence information to keep operators on track
- Turn-by-turn navigation eliminates guesswork on last-minute detours, minimizing delays

Enhanced Rider Experience

- Real-time data and improved communication capabilities for operators help deliver the seamless service passengers expect

Connect with our Experts

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Vontas

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TOUCHSCREEN DISPLAY

- 10.1" TFT WSVGA (1024 x 600) Color LCD w/LED Backlight
- Aspect Ratio: 16:9
- Contrast Ratio: 600:1 Min.; 800:1 Typ.
- Luminance: 500 cd/m2 Min.; 560 cd/m2 Typ.
- Viewing Angle: 80°
- 3H Hardness 5-wire Resistive Touchscreen
- Anti-glare coating
- Glove and Polarized Lens Compatible
- Ambient Light Sensor with Automatic Day/Night Modes
- Daylight Readable with User Configurable Brightness

ENVIRONMENTAL

- Operating Temperature:
- 20°C to +70°C (-4°F to,+158°F)

- Storage Temperature:
- 30°C to +80°C (-22°F to,+176°F)

INTERFACES

- Intended Only for Use with Vontas OnRoute V8 IVLU
- LVDS Video, 18-bit, Single Channel
- RS-422 Touch Control Interface
- RS-422 PIC Interface for Firmware Programming
- RS-232/RS-422 Auxiliary Card Reader Interface

CARD READER SUPPORT

- Connects to select Magnetic or Proximity Card Reader

POWER

- Powered by IVLU (via MDT cable)
- Operating System Voltage: +12 VDC
- Nominal Power Consumption: ~5 W

SIZE AND WEIGHT

- 3" H x 10.5" W x 1.7" D
- 3.2 lbs.

CERTIFICATIONS AND COMPLIANCES

- SAE J1455 Sec. 4.13.2.2.1(a)
- SAE J1113-11
- SAE J1455 Sec. 4.13.2.2.1(b)
- SAE J1113-11
- SAE J1455 Sec. 4.13.2.2.1(c)
- SAE J1113-11
- SAE J1455 Sec. 4.13.2.2.2
- SAE J1113-12
- SAE J1455 Sec. 4.13.2.2.3.1
- SAE J1113-13
- SAE J1455 Sec. 4.13.2.2.3.2
- SAE J1113-13
- EN 50155
- EN 50121-3-2
- EN 61000-4-2, EN 61000-4-3
- EN 55011
- EN 60068-2-1
- EN 60068-2-2
- EN 60068-2-30

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