VT-1020

Ubiqconn
Ubiquitous Connectivity

VT-1020, 10.4-inch rugged vehicle-mount terminal, delivers a solid performance with robust design to meet the demanding requirement in the harsh environment – special for material handling application.

Features

Sunlight Readable & Hyper Dimming
Blacklight adjustable displays offer excellent visibility in wide range of lighting conditions.

Rugged & Compact Design
IP66 sealed with a die-casting aluminum enclosure, and meets MIL-STD-810G.

Seamless Communications
GPS, WLAN, Bluetooth, and cellular enabled.

Built-in Backup Battery
UPS copes with unexpected vehicle or machinery powered down.

Wide-range Power Input
It can be powered from a variety of power sources with 9~36V or 18~60VDC input ranges.
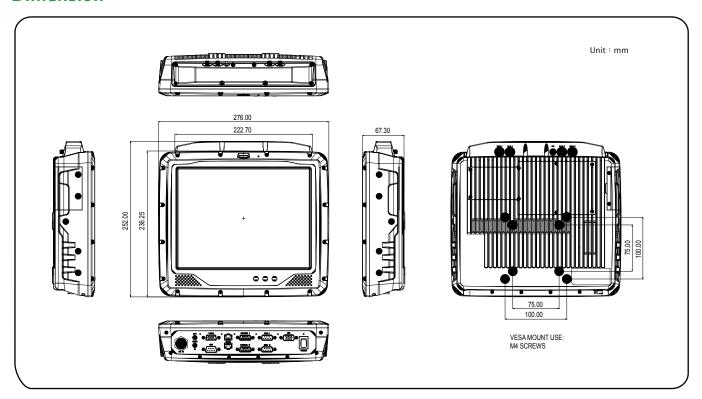
- Hyper dimming 1,000 nits truly sunlight readable (MIL-STD-85762A) to 0.1 nits night mode display
- Optional optical bonding / defroster
- IP66 sealing for harsh environment
- High shock & vibration resistance (MIL-STD-810G)
- WiFi / Bluetooth / GPS
- Wide operating temperature (-20~55C)

- Wide range (9~36 or 18~60VDC) galvanic
- Isolated serial port and digital I/O increase data transfer reliability in interference environment
- CAN interface support, NMEA2000, SAE J1939, physical layer support
- Optional surveillance system preserve the recorded files and minimize the risk of missing any critical moment

Applications

Dimension

Unit：mm

276.00
222.70
67.30
252.00
236.25
75.00
100.00
75.00
100.00

VESA MOUNT USE:
M4 SCREWS

Specifications

System	
CPU	Intel® Quad-Core ATOM E3845 1.91 GHz (Bay Trail-I)
Memory	4GB DDR3L SDRAM, up to 8GB (service door)
Storage	64GB SATA SSD, SD slot x 1 (service door)

Display	
Size/Type	10.4-inch XGA
Resolution	1024 x 768
Touch	Anti-reflection tempered 5-wire resistive touch panel
Luminance	1,000 nits sunlight readable (MIL-L-85762A) to 0.1 nits hyper dimming for night mode operation
Backlight Life	70,000 hrs

Touch Screen	
	Enhanced anti-reflection coting with 5-wire resistive technology; defroster by request

RF	
WLAN	802.11 ac/a/b/g/n
Bluetooth	Bluetooth V4.0
GNSS	GPS /QZSS or GLONASS
WWAN	WWAN by request
Antenna	Both built-in and external antennas

Audio	
Input	Stereo microphone x 1 or line-in
Output	Stereo HD audio x 1
Speaker	Waterproofspeaker x2

Video Capture	
Optional	Video input up to 4 ports with comprehensive SDK included

I/O Interface	
Ethernet	Dual Gigabit Ethernet support teaming/redundant function
COM	RS-232 x 1 + 5V support; 3KVrms isolation protection for RS-422/485 x 1 (RS-485 support auto flow control and NMEA0183 physical layer)
USB	USB x 2 compliant with USB 2.0 and 1.1 host
CAN	2.5 KVrms isolation protection CAN x 2, NMEA 2000 physical layer support
Digital I/O	3KVrms isolation protection for 4 DI +4 DO

General	
Enclosure	Die-cast Aluminum alloy, fanless design
Dimension & Weight	Dim. : 276(W) x 252(H) x 67.3(D) mm; weight : 3.8kg
Certifications	CE, FCC, CB
Mounting	Compliant with VESA 75/100
OS Support	Windows Embedded 8.1 industry 64-bit
	Windows Embedded Standard 7 64-bit
	Windows 7 Professional 64-bit
	Windows Embedded Standard 8 64-bit
	Linux
Power Input	Wide range isolated 9~36 or 18~60VDC
Battery	3,000 mAh,7.4V

Environment (In accordance with MIL-STD 810G)	
Operation Temp.	-30° to +55° C
IP Rating	IP66
Shock	40G,11ms terminal sawtooth
Vibration	Common carrier / composite two-wheeled trailer / composite wheeled vehicle
Humidity	5-95%, non-condensing