APEX VM5

NEW!

ULTRA-RUGGED
10.4" VEHICLE MOUNT COMPUTER

AMREL®
Pioneering Customized Rugged Solutions

TOUGH ENOUGH FOR LAND AND SEA

Built for the real world

Designed for both marine and land use, APEX VM5 Ultra-Rugged 10.4" Vehicle Mount Computer is tough enough to operate in even the most challenging conditions. Boasting an enviable IP66 rating, it also meets the requirements of the military's premier ruggedness standard, MIL-STD 810.

In the brightest day & the blackest night

The sunlight readable 10.4" XGA display has a 1024 x 768 resolution as well a 1000 nits rating. It also has hyper dimming option of 0.1 nit, which is perfect for night vision applications.

APEX VM5 makes it easy

The Intel® Quad-Core ATOM processor enables fast processing of even the most data-intensive applications. The 2 integrated CAN-BUS allow you to interface with internal systems, while the built-in battery design protects from unstable power input during vehicle operation. Complete and powerful RF technology facilitates real-time data capture and efficient fleet management. The APEX VM5 has both built-in and external antennas as well as optional video input with up to 4 ports.

Multiple options

You have two power input options (9-36 VDC or 18-75 VDC), while you have a choice of Windows Embedded, Windows 7, or Linux. You also have an option for vehicle surveillance function.

- Intel® Quad-Core ATOM
- 10.4" XGA display (1024 x 768)
- Sunlight readable (1000 nits), 0.1 hyper dimming nighttime option
- Vesa mounting
- Windows Embedded, Windows 7, or Linux OS
- Built-in and external antennas
- Battery built-in design protects from unstable power input during vehicle operation
- 9-36 VDC or 18-75 VDC power input
- 2 Integrated CAN-BUS
- Optional Vehicle surveillance function
- Land & Vehicular Maritime Applications

SPECIFICATIONS - APEX VM5 ULTRA-RUGGED 10.4" VEHICLE MOUNT COMPUTER

CPU	Intel® Quad-Core ATOM E3845 1.91 GHz (Bay Trail-I)	**I/O Interfaces**	• Dual Gigabit Ethernet supports teaming/redundant function • RS-232 x 1 + 5V supported; 3KVrms isolation protection for RS-422/485 x 1 • (RS-485 supports auto flow control and NMEA 0183 physical layer) • USB x 2 compliant with USB 2.0 and 1.1 Host • 2.5 KVrms isolation protection CAN x 2, NMEA 2000 physical layer supported • 3KVrms isolation protection for 4 DI +4 DO • Stereo microphone x 1 or line-in, stereo HD audio x 1 • Waterproof speaker x 2
Memory	4GB DDR3L SDRAM, up to 8GB (service door)		
Storage	64GB SATA SSD, SD slot x 1 (service door)		
Display	• 10.4-inch 1024 x 768 XGA; 70000 hrs backlight life 1000 nits sunlight readable (MIL-STD-85762A) to 0.1 nits hyper dimming • for night mode operation • Anti-reflection tempered 5-wire resistive touch panel • PCT (Gorilla glass), defroster by request	**Dimensions/Weight**	10.87" x 9.92" x 2.65" (276 x 252 x 67.3 mm) 8.38 lbs (3.8 kg)
RF	• 802.11 a/b/g/n/ac • Bluetooth v4.0 • GNSS (GPS/QZSS or GLONASS • WWAN by request • Both built-in and external antennas	**Certifications**	CE, FCC, CB
Power Input/Battery	• Wide range isolated 9-36 or 18-60VDC • Battery : 3000 mAh, 7.4V	**Operating System**	• 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
Housing	Die-cast aluminum alloy, fanless design	**Environment**	• IP66 Shock : 40G,11ms terminal sawtooth • Vibration : common carrier / composite two-wheeled trailer/composite wheeled vehicle • Humidity 5-95%, non-condensing • Operating temperature -22° F to 131° F (-30° C to 55° C)
Mounting	2.95" x 2.95" x 3.94" x 3.94" (75 x 75 x 100 x 100 mm)	**Video Capture**	Optional video input up to 4 ports with comprehensive SDK included

Specifications subject to change without notice

AMREL®
AMERICAN RELIANCE, INC
3445 Fletcher Ave., El Monte, CA 91731
800.882.6735 | cdinfo@amrel.com
http://computers.amrel.com