Firebird VMU

Vehicle-Mounted Computer

The *Firebird Vehicle-Mounted Computer* fills a void in the market for affordable, yet durable, forklift mounted devices. The *Firebird* is sized right to provide the user with a large 7" screen to keep task-related data easily viewable, yet not impeding the field of view when driving the vehicle, a critically important safety feature.

The *Firebird* is powered by Android and can run virtually any native Android application, web-based apps, or even terminal emulation clients. *Firebird* is also supported by our wide range of software utilities that simplify the deployment and management of AML devices.

Users can scan barcodes using tethered (USB) scanners or Bluetooth scanners. Optionally, a barcode scanner can be integrated directly into the device as well for presentation scanning of products, travelers, pick tickets, etc.

The *Firebird* delivers on price and performance...and it's American Made.

Features	Benefits
Compact Design	*Firebird's* compact design and smaller footprint provides for a larger and safer field of view for the forklift driver, while still providing an ample-sized screen for viewing data.
7" LCD with Capacitive Touchscreen	The *Firebird* vehicle-mounted computer features a multi-touch capacitive touchscreen that allows for on-screen gesturing users are accustomed to in their personal devices.
High Performance Architecture	*Firebird* is powered by Android 8.1 running on an ARM octa-core processor at 1.8 GHz. *Firebird's* powerful architecture is equipped to handle even the most demanding applications.
Industrial-grade Components	*Firebird* was engineered and built with long-life industrial-grade components made to withstand long-term continuous usage.
Optional Integrated Barcode Scanner	Users can use any type of scanner that best suits their environment. *Firebird* suppports tethered USB scanners or Bluetooth scanners. An optional integrated 2D scanner may be installed for scanning pick tickets, travelers, etc.
Power Options	The *Firebird* requires 5VDC for power, but an optional power supply is available that will accommodate from 18VDC to 75VDC and regulate it down to the required 5VDC.

Physical Specifications

Dimensions	212mm W x 142mm H x 33mm D 8.3" W x 5.7" H x 1.3" D
Weight	1.25 lbs / 0.57 kg
Display	7" LCD, 720 x 1280 resolution Projective Capacitive Multi-touch
Power	5VDC
I/O Ports	DC Input (5V) Ethernet+PoE (10/100) USB Host (2.0) x 3 USB Type C (for Debug/App Development)
Audio	Dual 2W Speaker (landscape mode) Single Speaker (portrait mode) Headphone/Mic port (3.5mm standard CTIA Phone Jack)
Scan Engine (Optional)	2D Omnidirectional
Indicator	Multicolor LED Lightbar

Performance Specifications

Processor	Octa-Core 64-bit Arm Cortex 1.8 GHz
Operating System	Android™ 8.1 (Oreo)
Memory (RAM)	2GB LPDDR3 SDRAM
Internal Storage	32GB eMMC
Camera (Optional)	13MP, 74.4 degrees, with Autofocus

Wireless Data Communications

WLAN	802.11a/b/g/n/ac Dual Band (2.4 GHz / 5 GHz), 2X2 MIMO
WPAN	BLE 4.2 Smart Ready

Environmental Specifications

Operating Temp	0 to 40 C / 32 to 104 F
Storage Temp	-20 to 60 C / -4 to 140 F
Humidity	5% to 90% (non-condensing)

Standard Warranty

AML products are warranted against defects in material and workmanship under normal use and service for a period of one year from the date of purchase. The obligation of AML under this warranty is limited to furnishing labor and materials necessary to return the product to its normal operating condition, or to replace the unit, at AML's discretion, and only on a "return to factory" basis. This limited warranty does not extend to any product, which has been modified, misused, abused, or incorrectly installed. Warranty, also, does not extend to any product that has been repaired or altered by any party other than AML, or has been subjected to unusual physical or electrical stress, negligence or accident. Prior to returning a product for repair, the user must obtain a Return Authorization Number, which must be clearly marked on the outside of the shipping container.

Optional Accessories

Power Supply

If your vehicle's battery system is:	Then select this DC to DC Power Converter Kit
9 to 36 VDC	PWR-5V4ADC24-06
18 to 75 VDC	PWR-5V4ADC48-06

PWR-5V4ADC24-06
PWR-5V4ADC48-06

The Firebird operates on 5VDC. Most forklifts or motorized pallet jacks operate on higher voltages. Therefore, the utilization of a DC to DC Power Converter is required to convert the voltage from the vehicle to the appropriate voltage of the Firebird.

Firebird is also available in landscape mode. ▶

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