



The **Guardian** is the latest innovation in vehicle-mount computing from AML. The combination of high-performance computing power and rugged design make the **Guardian** ideal for tough environments that require 24-7 reliability. Its small form-factor makes for better driver visibility and the optional keyboard caters to those applications with heavy data entry requirements. Adding to its versatility, the **Guardian** can also be used in fixed-mount applications, going where conventional PCs can't go.

Key Features:

Windows® Embedded Compact 7 OS

7" LCD Display w/ touch screen

802.11 g/b/n Wi-Fi

Process and Protect Your Data From a Forklift or Table-Top

With its compact size and +12V operating voltage, the **Guardian** is as much at home mounted in a vehicle or on a forklift, as it is in a warehouse or manufacturing plant. For non-hand-carry applications, the **Guardian** redefines ruggedness and versatility.

Applications:

- Inventory Control
- Asset Tracking
- Shipping/Receiving
- Check-In/Out
- Order Picking
- Work-in-Process



Physical Specifications

Dimensions 231mm W x 159mm H x 42.75mm D;
9.09" W x 6.26" H x 1.68" D

Weight 1.13kg / 39.86 oz.

Display 7" LCD, 800x480 pixel resolution with integrated resistive touch screen.

Power 12V (6~32V) DC input, 8W

Buttons/Keys Eight (8) push buttons with OS level functions: Home, Brightness up, Brightness Down, Power, Menu, Panic, Volume up, Volume down

I/O Ports 2 x RS232;
1 x RS422;
1 x CAN Bus;
1 x USB Host;
1 x OTG;
1x LAN;
1 x SDHC;
1 x GPIO;
Microphone Jack

Speaker 2 x 2W

Performance Specifications

Processor Freescale i.MX53 ARM Cortex-A8, processor running up to 1GHz

Operating Platform Windows® Embedded Compact 7

Memory (RAM) Low power mobile DDR3 memory 512MB

Internal Storage iNAND memory 4GB

External Storage SD/SDHC card support (upto 32GB)

Wireless Data Communications

WLAN 802.11b/g/n

WPAN CSR 4.0 Bluetooth

Mounting

Mounting VESA 50mm standard mount pattern



Optional Peripherals & Accessories

RAM™ Keyboard Mount

RAM™ Mount

Omni-Directional Scanner



Environmental Specifications

Operating Temp -20° to ~60°C / -4° to ~140°F

Storage Temp -30° to ~70°C / -22° to ~158°F

Humidity 0 to 95%

Sealing IP64

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.

Specifications are subject to change without notice. All names and products are the trademarks or registered trademarks of their respective organizations. Windows is a registered trademark of Microsoft Corporation in the United States and other countries.



Corporate Headquarters
2190 Regal Parkway
Euless, Texas 76040

Sales & Customer Service
Tel: 800-648-4452
Fax: 817-685-6232
Email: sales@amltd.com

www.amltd.com
Local: 817-571-9015
Fax: 817-571-6176

Technical Support
Tel: 877-842-3990
Fax: 817-685-6232
Email: support@amltd.com

