



The **Guardian** is the latest innovation in fixed-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 footprint allows the **Guardian** to go places conventional PC's can't go, and its array of I/O interfaces gives it the kind of versatility required for any shop floor.

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 Specs

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 Specs

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 802.11g/b/n radio

Mounting

Mounting VESA 50mm standard mount pattern



Optional Peripherals & Accessories

Power Adapter



RAM™ Mount



Environmental Specs

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 IP54

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