Guardian
Vehicle Mounted Computer

AML

SMITH TRUCKING

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 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	802.11b/g/n
Bluetooth	Version 3.0

Mounting

Mounting	VESA 50mm standard mount pattern

Optional Peripherals & Accessories

RAM™ Keyboard Mount   RAM™ Mount   Omni-Directional Scanner

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	IP64