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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Freescale i.MX53 ARM Cortex-A8, processor running up to 1GHz</td>
</tr>
<tr>
<td>Operating Platform</td>
<td>Windows® Embedded Compact 7</td>
</tr>
<tr>
<td>Memory (RAM)</td>
<td>Low power mobile DDR3 memory 512MB</td>
</tr>
<tr>
<td>Internal Storage</td>
<td>iNAND memory 4GB</td>
</tr>
<tr>
<td>External Storage</td>
<td>SD/SDHC card support (upto 32GB)</td>
</tr>
<tr>
<td>Display</td>
<td>7” LCD, 800x480 pixel resolution with integrated resistive touch screen.</td>
</tr>
<tr>
<td>Power</td>
<td>12V (6~32V) DC input, 8W</td>
</tr>
<tr>
<td>Buttons/Keys</td>
<td>Eight (8) push buttons with OS level functions: Home, Brightness up, Brightness Down, Power, Menu, Panic, Volume up, Volume down</td>
</tr>
<tr>
<td>I/O Ports</td>
<td>2 x RS232; 1 x RS422; 1 x CAN Bus; 1 x USB Host; 1 x OTG; 1 x LAN; 1 x SDHC; 1 x GPIO; Microphone Jack</td>
</tr>
<tr>
<td>Speaker</td>
<td>2 x 2W</td>
</tr>
</tbody>
</table>

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)
- 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; 1 x LAN; 1 x SDHC; 1 x GPIO; Microphone Jack
- Speaker: 2 x 2W

Wireless Data Communications

- WLAN: 802.11b/g/n
- WPAN: CSR 4.0 BT

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.

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Corporate Headquarters
2190 Regal Parkway
Euless, Texas 76040

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

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

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