

# eMC™ Range

ELECTRONIC MOBILE COMPUTER



## eMC™ | Overview

The **Futronics eMC** range of Mobile Data Terminals (MDT) brings the power and flexibility of advanced, solid state computing to the mobile environment. Designed and engineered to meet the toughest of requirements, the **eMC** range is ideally suited for the demanding computing needs of modern mobile users.

Performance options start with the **eMC1** and its Celeron 2.0GHz mobile processor, capable of delivering excellent standard computing. Increased performance is available from the **eMC2**, which features the powerful Core 2 Duo 2.53Ghz mobile processor and is ideal for high-performance, multi-tasking environments. Ultimate performance is delivered by the **eMC4** with its Core 2 Quad 2.53GHz Extreme mobile processor, a truly class leading computer for the most processor intensive applications. All **eMC** mobile data terminals

are fully solid state with up to two removable solid state drives for greater performance, ease of service and reliability.

Unrivalled connectivity ensures that the **eMC** range delivers the most comprehensive range of input and output ports for the chosen vehicle systems, with no need for external connection hubs. Each of the **eMC** units shares a common, compact footprint allowing for a quick and simple upgrade path and ensuring that these are the most future-proof mobile data terminals in the world.



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## Innovation for You



# eMC Specifications

## PROCESSOR OPTIONS, MEMORY AND STORAGE:

- **Option 1:** Intel® 2.0 GHz Celeron® Mobile 667MHz FSB for standard computing performance,
- **Option 2:** Intel® 2.53 GHz Core™ 2 Duo Mobile 1066MHz FSB for high performance multi-tasking environments,
- **Option 3:** Intel® 2.53 GHz Core™ 2 Quad Mobile 1066MHz FSB for the most processor intensive applications.
- 2 x 2GB DDR3 1066MHz, 4GB memory standard
- 2 x lockable removable solid state drives, available as 40GB, 64GB, 128GB, 256GB, 512GB. Also available on request drive adapters for flash storage cards.

## OPERATING SYSTEM:

- Microsoft® Windows® XP Pro SP3

## OPTIONAL PCI CARDS:

- Celeron based systems have a single free PCI slot. Core 2 Duo and Core 2 Quad based systems have two free PCI slots. Depending on configuration up to 16 channels of DVR, 8 channels of ANPR and 6 IP video & audio sources can be monitored and recorded.

## PORTS:

- 6 x RS232 / 6 x GIGABIT LAN / 6 x USB / 1 x eSATA Port / 1 x VGA and 1 x DVI Port / 2 x PS2 Ports
- Audio: Line In and Line Out

## PROPERTIES:

- Weight: 5kg
- Dimensions: 310mm (W) x 253mm including connectors (D) x 108mm (H)
- Mounting Plate Footprint: 335mm (W) x 230mm (D)

## POWER:

- Input range: 10.7 to 30 volts DC
- Typical Power Consumption:
  - > Celeron systems 1.2 Amps (14.2 watts @ 12v) idle, 3.2 Amps (38 watts @ 12v) maximum load
  - > Core 2 Duo systems 1.6 Amps (19.2 watts @ 12v) idle, 3.6 Amps (43 watts @ 12v) maximum load
  - > Core 2 Quad systems 2.4 Amps (29.2 watts @ 12v) idle, 4.4 Amps (53 watts @ 12v) maximum load
  - > Operating Temperature Range: -20°C to +60°C, 0 to 95% RH non-condensing

## CERTIFICATIONS:

- ROHS Compliant
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- Spec 5 issue 10 compliant

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