F-Box™

ELECTRONIC MOBILE COMPUTER
ONE BOX, ONE SOLUTION

F-Box™ | Overview

The **Futronics F-Box** represents the evolution of our industry leading, and already established, range of Mobile Data Terminals (MDT). Built on our international reputation for excellence in innovation, engineering and customer focused solutions; the **F-Box** is the world's most powerful solution for mission critical mobile computing.

The **F-Box** joins our impressive range of MDTs, already widely used in emergency response vehicles, ensuring that we have an ideal solution for your needs whatever the operational and economic parameters.

Unrivalled connectivity ensures that the **F-Box** delivers the most comprehensive range of programmable input and output ports for any vehicle system, with intelligent power management. Critical vehicle systems uniquely run independently of the computer and its operating system. An integrated touch screen display provides direct access to the status and configuration of these ports.

The **F-Box** is fully solid state with up to two removable solid state drives and can be supplied with various processor options, including the ultimate Core 2 Quad 2.53GHz Extreme Processor. This unprecedented power and reliability allows customers instant, simultaneous access to processor intensive applications such as ANPR, multi-camera DVR and extensive Command and Control applications, without any loss of performance.

The most powerful, future proof and feature rich Mobile Data Terminal in the world – **One Box, One Solution, One F-Box**

FUTRONICS

**Call us on +44 (0)8456 43 9990
or visit www.futronics.net**

Innovation for You

BLUE LIGHT | ANPR | DVR | HARDWARE | SOFTWARE | TRANSPORT

C3 UN/276

F-Box 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:

- 5 x RS232 / 6 x GIGABIT LAN / 7 x USB / 1 x eSATA Port / 1 x VGA and 1 x DVI Port / 2 x PS2 Ports
- Audio: Line In and Line Out

INTEGRATED COMMUNICATIONS:

- 1 x GPS Engine / 1 x HSDPA/3G+ Modem / 1 x WiFi Module / 1 x Bluetooth Module

INPUTS & OUTPUTS:

- 4 x Programmable outputs at 30 Amps with volt free contacts
- 20 x Programmable outputs at 16 Amps which are high-sided
- 12 x Inputs (Door / Ignition / Foot / Hand Brake)
- 1 x Analogue Input 0 - 25 volts
- 1 x CAN-bus Interface
- 1 x Fibre Optics Port (F-Box Expansion Port)
- 1 x Multiplex Light Bar Interface
- 1 x Info / Matrix Sign Interface
- 2 x Firmware programming ports

CERTIFICATIONS:

- ROHS compliant
- e11 E11 03 5267 (E11) CE (pending)
- Spec 5 issue 10 approval (pending)

DIMENSIONS:

- Weight: 5.5kg
- 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

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