

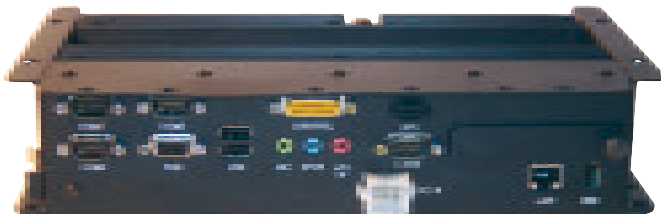
- **EnVoy II**
- **3-piece mobile data computing system**



10.4 or 12.1-inch displays available



TG3 keyboard



Kontron Mobile Computing, Inc introduces the next-generation EnVoy II Mobile Data Server — an advanced, modular, mobile computing system designed specifically for installation and use in professional service vehicles such as police, fire/EMS, and utility vehicles.

The new EnVoy II now incorporates Kontron's own CVX-Server. Meeting Mil-Std 810F ratings for shock, vibration, and temperature, the CVX-Server features a solid, rugged, unitized aluminum construction to protect internal subsystems. It also offers impressive expansion capabilities with

interfaces including IEEE 1394, USB 2.0, wireless 802.11b/g, and a CompactFlash™ slot. An open mini PCI slot for integrated 802.11g and a 5.8" length PCI slot give the user or OEM the ability to turn their MDT or in-vehicle embedded system into a Digital Video Recorder (DVR).

With its 3-piece, space-saving, modular design, the EnVoy II allows the monitor and keyboard to be mounted near the operator while the server is mounted in the trunk, under the seat, in the glove box, or elsewhere — away from the passenger area.

- **1.7GHz Mobile Intel® Pentium® Processor-M**
- **Low power consumption**
- **Embedded wireless LAN connectivity**
- **Independent dual displays**
- **PCI card slot expansion**



# ▶ EnVoy II - Technical Specifications

## Server

### Processors

- 1.7GHz Mobile Intel® Pentium® Processor - M

### OS Support

- Windows®2000 Professional/XP Pro

### Chassis Construction

- A solid, rugged unitized aluminum construction protects internal subsystems from shock and vibration

### RAM/Cache

- 512MB DRAM, upgradeable to 1GB
- 64MB Video DRAM - RAM dependent
- Standard 2MB L2 cache

### Hard Drive

- 40GB removable - standard
- 60 and 80GB removable - optional
- Heated hard drive upgrade for expanded operating temperature spec

### Embedded PC-CARD Slots

- PCMCIA card bus slots that accommodate two Type II devices

### I/O Connectors

- Power input: Internal DC to DC converter with power input range of 10 to 30V DC
- Video: Simultaneous digital LVDS output and RGB output
- Sound: Amplified (2W) stereo speaker out, stereo MIC-in and Line-in
- Mouse/keyboard interface: Electronically compliant IBM PS/2
- Serial ports: Two open RS-232 ports and one USB RS-232
- USB ports: Four USB 2.0 ports (two on front of unit, two on rear)
- One 5.8-inch length PCI card slot; one CompactFlash slot; IEEE 1394; RJ45 Ethernet LAN; Mini-PCI slot for WLAN expansion or other technology

### Physical Characteristics

- Weight: 5lbs (2.3kg)
- Dimensions (W x H x D): 5.75 x 2.63 x 11.5-inch (14.61 x 6.68 x 29.21cm)

### Remote PS/2 Keyboard and Mouse

- Full size QWERTY keyboard with 86 keys (USA standard key set)
- Sealed mouse
- Sealed against weather, dust, and moisture
- 8-level backlight control

### Physical Characteristics

- Weight: 2lbs (0.9kg)
- Dimensions (W x H x D): 12 x 2 x 6-inch (29 x 5 x 16cm)

### Keyboard Options

- PS/2 "Y" adapter (for connection to standard PS/2 compliant PCs)
- International key sets (Spanish, French, German, and others)

### Remote Display

#### 10.4-inch Display Option

- 1200 nit 800 x 600 SVGA with Resistive Matrix Touch Screen
- 1-touch brightness control with on/off button
- Eight backlit user-specifiable function keys
- Weight: 7lbs (3.2kg)
- Dimensions (W x H x D): 11.5 x 9 x 2.5-inch (29.2 x 22.9 x 6.1cm)

#### 12.1-inch Display Option

- 1400 Nit display brightness (Color TFT LCD)
- 800 x 600 SVGA with Resistive Matrix Touch Screen
- Weight: 9lbs (4.2kg)
- Dimensions (W x H x D): 12 x 9.5 x 3-inch (32 x 24 x 7cm)

### Optional External Drives

- Floppy drive\*
- USB CD-ROM drive\*
- Connector cables reaching up to 10-feet

\*Floppy and CD-ROM drives do not meet NEMA or IP environmental specifications

## Temperature and Power Management Systems

### Temperature Management System

- Temperature management system will not allow display to turn on at temperatures below -15 °C (5 °F)
- Temperature management system will prevent system from power-up if temperature is above operating limit

### Power Management System

- Smart UPS port allowing for user-definable graceful shutdown modes and connection of longer run-time smart batteries after power failure

## Environmental

### Operating Temperature

- -15 ° to 60 °C (5 ° to 140 °F)

### Non-operating Temperature

- -25 ° to 60 °C (-13 ° to 140 °F)

### Optional Expanded Operating Temperature for Server

- -25 ° to 60 °C (-13 ° to 140 °F)

### Operating Humidity

- 10 to 90% relative humidity, non-condensing

### Non-operating Humidity

- 5 to 95% relative humidity, non-condensing

### Operating Shock

- 40g @ 45 to 200Hz; 18 drops

### Non-operational Shock

- 75g @ 80 to 2000Hz; 12 drops

### Functional

- Mil-Std 810F, Method 516.5, Procedure I

### Crash Hazard

- Mil-Std 810F, Method 516.5, Procedure V

### Vibration

- Mil-Std 810F, Method 514.5, Procedure 1, Cat. 20, Table 514.5C-VIII, Figure 514.5C-3 (Composite wheeled vehicle)

### Operating Altitude

- -300 to 3000 meters

### Non-operating Altitude

- -400 to 15,000 meters

## EMI/EMC

- FCC Class A, CE Class A

## Safety

- ETL, cETL



### Corporate Offices

**US / Canada**  
7631 Anagram Drive  
Eden Prairie, MN 55344

Tel. (952) 974-7000  
Fax (952) 949-2791

sales@kontronmobile.com



### Europe, Middle East and Africa

Oskar-von-Miller-Straße 1  
D-85386 Eching/München Germany

Tel. +49 81-65 77 0  
Fax +49 81-65 77 219

sales@kontron.com



### Asia Pacific

6F No 9, Lane 235, Pao Chiao Road  
Hsin Tien 231, Taipei, Taiwan

Tel. +886 2 2910 3532  
Fax +886 2 2910 3482

sales@kontron-asia.com

