



Hub | Data9II continues its commitment to developing state-of-the-art technology with its 6<sup>th</sup> generation Mobile Computer System, the M6.

The M6's new three-piece design makes installation and maintenance a snap. The rugged construction of the M6 holds up to the harsh environment of Public Safety vehicles.

Featuring mobile processors, including the Intel® Core™ 2 Duo, the M6's industry leading design offers future-proof upgrade options backed by a 3 year + 3 month all-inclusive warranty.

The M6 CPU supports all Data9II M-series displays, known for being the brightest, thinnest, and most rugged touchscreens available for vehicular computing.

Every M6 purchase includes licenses for each of the following Data9II Public Safety mobile software products, valued at over \$2,000:

- MX – Touchscreen-friendly real-time interface to CAD for inquiries, messaging, event information and status updates
- RX – Fully integrated, automated field report writer
- AVL – Vehicle and event location mapping for tactical response
- MDV – Data9II's mobile digital video client software

Please contact your Data9II sales representative for more details on this offer and to arrange for a demonstration.

## M6 Specifications:

CPU	
Processor	Intel® Celeron® M 370 processor 1.5 GHz, Intel® 915GM Chipset, 1 MB On-die Second Level Cache, 400 MHz Front Side Bus
Processor Options**	Intel® Pentium® M 760 processor 2.0 GHz, Intel® 915 GM Chipset, 2 MB On-die Second Level Cache, 533 MHz Front Side Bus  Intel® Core™ 2 Duo T7500 processor 2.2 GHz, Intel® 965 Express Chipset, 4 MB On-die Second Level Cache, 800 MHz Front Side Bus
Video Controller	Integrated with Intel® Graphic Media Accelerator and dynamic memory allocation
Internal Memory	1 GB DDR2 or 2 GB DDR2**
Mass Storage Options	Removable Extreme Environment Hard Drive: 40 GB, 60 GB** or 80 GB** SATA
Operating System	Microsoft® Windows® XP Professional, SP2 Microsoft® Windows® Vista Business (option**)
Physical Size (H x W x D)	Metric = 63.5 x 336.6 x 146.1 mm Standard = 2.5 x 13.25 x 5.75 in Height with shock-isolating mount = 119.1 mm (4.69 in)
Weight	2.5 kg (5.45 lbs.)
Communications & Expansion Ports	
PC-Card	One Type I/II CardBus, on front of CPU
ExpressCard	One 34 mm or 54 mm, on front of CPU
GPI/O Port (6 wires)	2 General Purpose Outputs (battery level logic) 1 General Purpose Input (ground/float) 1 General Purpose Input (robust TTL level voltage sense) 1 Output (switched battery) 1 Input (ignition sense)
I/O Ports	
RS232	Three (COM 1, COM 2, COM 3)
USB	Four 2.0 (2 on front, 2 on back) 2 strain relief options
External Drive	One eSATA (External Serial ATA) 150 MB/sec
Ethernet LAN RJ45	Intel® 1 Gb/sec Base-T
Primary Display Interface	Low Voltage Differential Signal (LVDS)
Secondary Display Interface	Low Voltage Differential Signal (LVDS) (option**)
Analog VGA	One RGB DB-15 connector
FireWire	One IEEE 1394
Audio	Speaker out (2 W amplified) Line in (non-amplified) External Microphone in (non-amplified)

## Internal Radio Options & Communications Protocols\*\*

One internal PCI Express Mini card slot allows for a Wireless Local Area Network option or other PCI Express Mini cards

WLAN	Tri-mode 802.11 a/b/g Wi-Fi certified
WWAN	Tri-band UMTS/HSDPA 3.6, Quad-band GSM/GPRS/EDGE. User accessible SIM card on top of CPU. Internal USB interface.
GPS	Garmin 15L: Supports NMEA 0183 protocol Version 2.00 and 3.00. WAAS enabled. 12 parallel channel GPS receiver continuously tracks and uses up to 12 satellites to accurately compute and update your position to within 3 meters. SMA female connector for external antenna.

## Electrical Environment

The M6 supports 12 V operation so you can install into a vehicle without power converters.

Power Source Options	Vehicle Battery 12 V, Negative Ground
Input Voltages	6 to 18 VDC, with no loss of functionality
Power Consumption	At 13.8 VDC: Off $\approx$ 0.015 Amps Hibernate Mode $\approx$ 0.015 Amps Rest (display blanked) $\approx$ 2.42 Amps Typical (display in day mode) $\approx$ 4.75 Amps Maximum $\approx$ 5.65 Amps

## Power Control Module

The M6 features a Power Control Module which initiates a graceful shutdown or hibernation of the system upon alarm.

The PCM monitors:

- ambient temperature and prevents operation above 65.6° C and below -25° C to prevent CPU damage.
- battery voltage and allows for operation based on a voltage window.
- power supply's main rail output for operational performance.
- internal case temperature and provides a graceful shutdown.
- power supply cavity temperature and provides a secondary signal for blower operation.
- internal real time clock for time triggered events.

## Environmental & Durability

The following specifications were third-party tested according to MIL-STD-810F methods.

Storage Temperature	-40° C to +85° C (-40° F to +185° F)
Operating Temperature	-25° C to +65.6° C (-13° F to +150° F)
Relative Humidity	5% to 95% (non-condensing) at 60° C
Sealing	IP54
Shock	75 g at 11 ms half sine
Crash Hazard	100 g at 2 ms half sine
Vibration	Random 1 g RMS, 5-500 Hz

## Regulatory

United States and Canada Radiated Emission	FCC Part 15 Class B
Europe	eMark e11*72/245*2006/28*3978*01 (pending) CE RoHS Compliant

## Displays

### 15.0 inch Display:

Display type	Active Matrix Color
Display resolution	1024 x 768 XGA
Display viewing area	15.0 inches diagonal
Brightness	1200 NITS
Viewing angle	+/- 60 degrees
Touch panel	Capacitive
Construction	Heavy-gauge aluminum case
Dimensions	311.2 x 355.6 x 38.1 mm (12.25 x 14.0 x 1.5 in)
Weight	4.1 kg (9 lbs)

### 12.1 inch Display:

Display type	Active Matrix Color
Display resolution	800 x 600 SVGA or 1024 x 768 XGA
Display viewing area	12.1 inches diagonal
Brightness	1200 NITS
Viewing angle	+/- 60 degrees
Touch panel	Capacitive or Resistive
Construction	Heavy-gauge aluminum case
Dimensions	244.5 x 279.4 x 38.1 mm (9.625 x 11.0 x 1.5 in)
Weight	2.3 kg (5 lbs)

### 8.4 inch Display:

Display type	Active Matrix Color
Display resolution	800 x 600 SVGA
Display viewing area	8.4 inches diagonal
Brightness	1000 NITS
Viewing angle	+/- 60 degrees
Touch panel	Capacitive
Construction	Heavy-gauge aluminum case
Dimensions	186.7 x 209.6 x 27.0 mm (7.35 x 8.25 x 1.06 in)
Weight	1.3 kg (2.88 lbs)

## Keyboards

### Backlit Illuminated Keyboard with Touchpad:

- 82 key compact QWERTY design
- USB Connector
- Plastic injection molded top with metal bottom for ease of customizing mounting techniques
- 8 levels of backlight intensity
- Overall dimensions: 304.8 x 196.9 x 31.8 mm (12 x 7.75 x 1.2 in)
- Weight: <1 kg (<2 lbs)

### Watertight Rugged Duty Keyboard:

- 88 key compact QWERTY design
- USB Connector
- Fully sealed with integrated pointing device
- Watertight: NEMA 4
- 6 levels of backlight intensity
- Overall dimensions: 160 X 289.6 X 41.8 mm (6.3 X 11.4 X 1.7 in)
- Weight: <1 kg (<2 lbs)



Sales: 1819 Clarkson Road . Chesterfield, MO . 63017 p. 636.532.4911 . f. 636.532.4916  
Corporate: 2021 Challenger Drive . Alameda, CA . 94501 p. 510.865.9100 . f. 510.865.9090  
sales@data911.com  
www.data911.com

European Sales:  
Hub Systems, Limited  
P.O. Box 15478 . Whitburn, Bathgate . West Lothian EH47 0WB . United Kingdom . t. +44 (0)7802-393-329  
sales@hubsystems.co.uk  
www.hubsystems.co.uk