

# ***MW810 Mobile Workstation***

Connected. Powerful. Rugged.



*"It is remarkable how much benefit a law enforcement agency and consequently the public can experience from a successful mobile computing system. ...[T]he percentage of savings in time, personnel, money, consumables, accuracy, and safety can be truly monumental, often between 20 – 40 percent."*

Source: "Mobile Computing Technologies"  
IACP Technology Desk Reference, International Association of Chiefs of Police, 2006



- **Fully rugged: withstands vibration, water, dust, and more.**
- **Connects with public wide-area data networks (multiple options)**
- **Optional WAN, WiFi and Bluetooth® support**
- **Resistive tempered glass touch-screen display. High brightness (optional): 1200 NIT**
- **One-touch emergency button**
- **Optional GPS and Dead Reckoning GPS support**
- **Modular design: CPU, display, and keyboard can be bought and replaced separately**
- **Optional dual display support**

In the field of public safety, communication is crucial. Users in mission critical environments – safeguarding the public, protecting property, and providing first response – all require immediate information and preemptive intelligence. Safety and success depend on the right information at the right time – whether it's a call that comes in over the radio, suspect information arriving in a bulletin, or real-time video while en route to an incident. As the leader in public safety wireless communications for over 70 years, Motorola understands this. Our MW810 Mobile Workstation is proof.

The Motorola MW810 Mobile Workstation provides reliable, mobile wireless connectivity and computing power for mission-critical applications. Powerful enough for the latest applications, it is designed to withstand round-the-clock use in a public safety vehicle.

#### **Connected**

A fast, reliable data connection is a force multiplier. Responders can stay in the field instead of returning to file reports or get information, and richer data allows for a more effective strategy from commanders and better response from personnel on scene. The MW810 supports multiple wireless modems, so you can connect to and roam between wireless networks – public or private.

#### **Designed for the way you work**

A computer should adapt to the needs of public safety personnel. Motorola understands this, and designed the MW810 accordingly. Its backlit, full-travel keyboard with built in mouse can be picked up and held in your lap, for maximum user comfort. The three-piece configuration – CPU, keyboard, display – allows mixing and matching of options to suit your needs, as well as easy upgrades and replacements. The CPU (Central Processing Unit) can be mounted inside the vehicle to reduce wiring – or in the trunk to save space. Its modular design lets you select only the features each vehicle needs, while staying with a single overall platform to lower costs and maximize your investment.



#### **Enhanced personnel safety and accountability**

Few technologies enhance personnel safety and accountability better than Global Positioning System (GPS), which pinpoints the vehicle's location. The MW810 supports not only standard GPS, but also Dead Reckoning GPS, which helps with vehicle location even where a GPS satellite signal is poor or intermittent – such as in tunnels, urban canyons, or parking garages. Combined with the emergency button at the top of every display, which lets the user send a distress call without typing or saying a word, the MW810 is a powerful way to keep your personnel safe, even when their environment is not.



*“There was no question that the MW810 was the best choice. It has met every expectation the officers had and is the best we’ve ever used.”*

*Jamie Hess – Chief of CLEMIS Division  
Courts and Law Enforcement Management Information System  
Oakland County, Michigan*

### **Expertise on display**

The most advanced computer is of no use if you can't see what's on the screen. Knowing this, Motorola put all its expertise in designing a display appropriate for public safety, with results that are nothing short of exceptional. The display is clear and easy to read, even in direct sunlight. Touch screen capability is standard, to ensure the most intuitive operation that does not distract from the mission – even when wearing gloves. Customizable buttons give instant access to frequently-used programs or functions. An easy-to-use knob gives you control over settings such as brightness and contrast. The viewing angle is wide enough that both driver and passenger can see the same screen clearly. For larger vehicles – such as command, fire truck, or ambulance – the MW810 supports a second touch screen.

### **As tough as the job it's built for**

The same engineering discipline that went into developing Motorola's radios is evident in the construction of our MW810 Mobile Workstation. The display is made from tempered glass for safety and durability. All components are tested in accordance with U.S. Military Standard 810G and other standards for resisting temperature extremes, vibration, shock, humidity, dust, and other hazards of use in harsh conditions. Then, the MW810 must pass Motorola's own 12M tests, which can be even more challenging – requiring, for example, that the MW810 pass the test while powered on. After all, when it comes to public safety equipment, what may be good enough for others is only a start for Motorola.



### **Automatic License Plate Recognition**

ALPR is a technology that uses computer pattern recognition to read license plates through cameras mounted outside the police vehicle. The cameras connect to a vehicle-mounted computer, where ALPR software compares captured plates against one or more databases of vehicles that are stolen, involved in a crime, or are otherwise of interest. This continues, automatically and silently – at highway speeds – until a match is found.

With ALPR, the officer travels along the patrol route at normal speed, while the ALPR system continuously scans the license plates of parked and moving cars, performing the ALPR process of plate capture, plate read and database comparison in less than one second. Up to 8,000 plates can be read in a typical 8-hour shift.

Motorola offers an ALPR Expansion Board for the MW810 that supports up to four Slate™ digital ALPR cameras from PIPS Technology, a Federal Signal Company. Working together, Motorola and PIPS have created an ALPR solution with unparalleled power, intelligence, and flexibility – and without the footprint of a separate ALPR processor.



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