



## MW820 Mobile Vehicle Keyboard



### Description

The **MW820** rugged mobile vehicle keyboard has been designed to provide a turnkey high performance data entry solution for the most demanding in-vehicle applications.

The MW820 is an alphanumeric keyboard offering users the ability to easily input data within in-vehicle environments, with the additional benefit of an integrated glide pad for quick and trouble free application navigation. Having been specifically designed for use in demanding environments across a range of emergency responder organisations, the MW820 offers a truly rugged and reliable solution.

Applications for this keyboard include Military vehicles, Police vehicles, Fire and Ambulance Emergency services, Command and Control vehicles, Plant and Warehousing vehicles and any specialist mobile vehicle application.

The MW820 offers users the advantage of back lighting on each key and also on the glide pad, making the unit suitable for all lighting conditions and operation in harsh and reduced lighting conditions. The integrated glide pad provides standard application navigation coupled with quick response mouse buttons for application control and selection. The keyboard also features Caps lock and Num lock activation indication by changing the illuminated colour from red to green, allowing users to clearly see the current state of both keys. With the addition of PrehKeyTec's unique silicone membrane switch technology, the keyboard offers unparalleled reliability, with dust and fluid ingress protection.

PrehKeyTec GmbH is a leading international manufacturer of high-quality data input systems, these include modular standard keyboards, customer specific/custom keyboards, providing highly flexible designs and supreme reliability, particularly where professional and demanding applications need to deliver operational benefits and functionality.

## MW820 Technical Data

**Product Design and Development**—from the initial concept to a full working design and production, PrehKeyTec are able to work closely with our clients during the design stage in order to tailor our technologies and expertise to match the customers design criteria. Our capability then extends to production and project management over the life cycle of the design/project. The MW820 Mobile keyboard can be used as a base sample for further additional customer input and modifications, including custom layout, key markings and final performance specification.

With the ability to offer rapid software design, electronic and embedded software development and final in-house testing, PrehKeyTec has been the partner of choice in many demanding applications and requirements in the field of Data Entry solutions.

### Features subject to build and final configuration:-

	Illuminated USB Mobile Vehicle Keyboard with integrated Glide pad
	Key illumination can be adjusted in intensity, 7 levels
	Software updates via USB interface
<b>Reliability</b>	Protected to IP54
<b>Operating Temperature</b>	-30 <sup>0</sup> C to +70 <sup>0</sup> C (glide pad 0°C to +50°C)
<b>Storage Temperature</b>	- 40 <sup>0</sup> C to 85 <sup>0</sup> C
<b>Dimensions</b>	200 x 24 x 320 (DxHxW)
<b>Key layout</b>	International, UK, German or Custom
<b>Colour</b>	Black/dark grey
<b>PC connectivity</b>	USB interface (<500 mA including lighting)
<b>Lighting</b>	Red LED by each key and glide pad surround <ul style="list-style-type: none"><li>• 2 status LEDs (NUM and CAPS), illuminated green when "on"</li></ul>
<b>Life</b>	> 10 million operations per key
<b>EMI / ESD</b>	<ul style="list-style-type: none"><li>• Compliance as observed for interference / ESD:<ol style="list-style-type: none"><li>1) CE</li><li>2) Emission EN55022, FCC Part 15 Class B, Immunity EN55024.</li><li>3) Safety UL 1950</li><li>4) ESD ±15kV air discharge, ±8kV direct discharge</li></ol></li></ul>
<b>Environmental</b>	<ol style="list-style-type: none"><li>1) Vibration MIL -STD 810E; Method 514.4 – Functional</li><li>2) Crash Hazard MIL 810E—516.4 Proc V</li><li>3) Thermal Shock -40° C to +80° C within 15 seconds, 2 hours in each level</li><li>4) Salt Spray MIL STD 810E 509.3 Proc.I, 8 hours min. 5% NaCl</li><li>5) Solar Radiation MIL 810E 505.3 PROC 24 HR cycles 7 cycles</li><li>6) Flammability UL94-HB (optional V0).</li><li>7) RFI immunity level 20V/m</li></ol>

