

# PNM-220

## *Professional Navigation and Messaging Device*

The Logic IO PNM-220 is a complete solution using the **N**avigation and **M**essaging **P**latform designed for the most demanding and professional fleet management applications. The PNM-220 device offers a ruggedized 7-inch, easy to read, screen optimized for finger touch usage. A powerful processor and generous RAM and flash ensures a delightful experience. The PNM-220 also offers connection for up to two analog cameras used for rear-view or cabin monitoring.



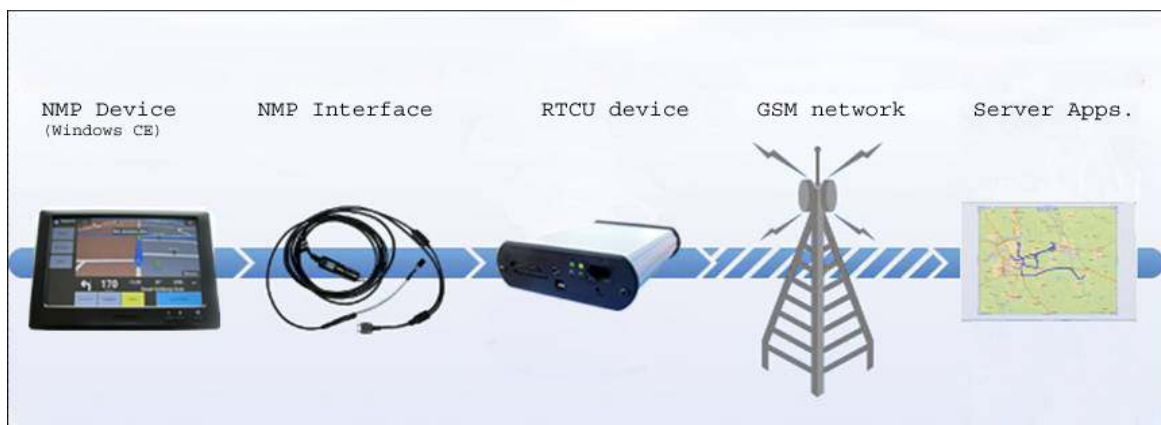
The PNM-220 product comes with the NMP software/maps pre-installed and interface cables for connection to the RTCU MX2i pro/pro+. *Ready to go!*

### The PNM-220 product package includes:

- Rugged and durable Navigation and Messaging device:
  - 7-inch diagonal resistive touch anti-glare TFT-LCD screen.
  - Driver-friendly interface with 6 hardware buttons.
  - Powerful dual-speaker system.
  - Automotive interface cable with data and power.
  - Interface for up-to two analog cameras.
  - Running Microsoft Windows CE.NET 6.0.
- Navigation and Messaging Platform software installed.
- Sygic maps installed according to customer requirements.
- Interface cables for the RTCU MX2i pro/pro+.
- Power cable for connection to 9..32 VDC.
- Dashboard mount.
- **Optional:** cable for connection to the RTCU IDE simulator.



*Also see the **N**avigation and **M**essaging **P**latform datasheet for additional information!*



# PNM-200 series

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### Technical Data

Power supply	Min	Typ	Max		
Operating Voltage	9	-	32	VDC	Protected against wrong polarity.
Power Consumption		450		mA	@12V – RTCU device is not included
Core	Processor		S3C6410, 624 MHz ARM11		
	Flash		256 MB		
	SDRAM		128 MB		
LCD	Size		7" diagonal TFT		4-wire resistive touch screen
	Resolution		800 x 480		
	Aspect Ratio		16:9		
	Contrast		500:1		
	Brightness		300 cd/m <sup>2</sup>		
	Viewing Angle		70/70(L/R), 50/70(U/D)		
Storage temperature	-20	-	+70	°C	<b>External interfaces:</b> <ul style="list-style-type: none"> <li>• Fused flying lead for power</li> <li>• RJ-45 connector for RTCU unit connection.</li> <li>• Mini USB for ActiveSync and USB Host.</li> <li>• USB host port</li> <li>• SD-card slot and earphone jack</li> <li>• 2 * BNC connectors for analogue camera.</li> <li>• 4 * RS232 for interface to external devices.</li> </ul> NMP software and maps are pre-installed on the delivered SD-card.
Operating temperature	-10	-	+60	°C	
Operating humidity (non-condensing)	10	-	80	%	
Weight	550 (PNM device)			g	
Vibration / Shock	20 operating condition			g	
External dimensions	W200 x H158 x D40			mm	

