

# PNM-100

## *Professional Navigation and Messaging Device*

The Logic IO PNM-100 product 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-100 device is a ruggedized 7-inch, easy to read, screen optimized for finger touch usage. A powerful processor and generous RAM and Flash insures a delightful experience.

The PNM-100 product comes with the NMP software/maps pre-installed and interface box and cables for the RTCU MX2i pro/pro+, RTCU CX1 flex/pro and the RTCU SX1 series. *Ready to go!*

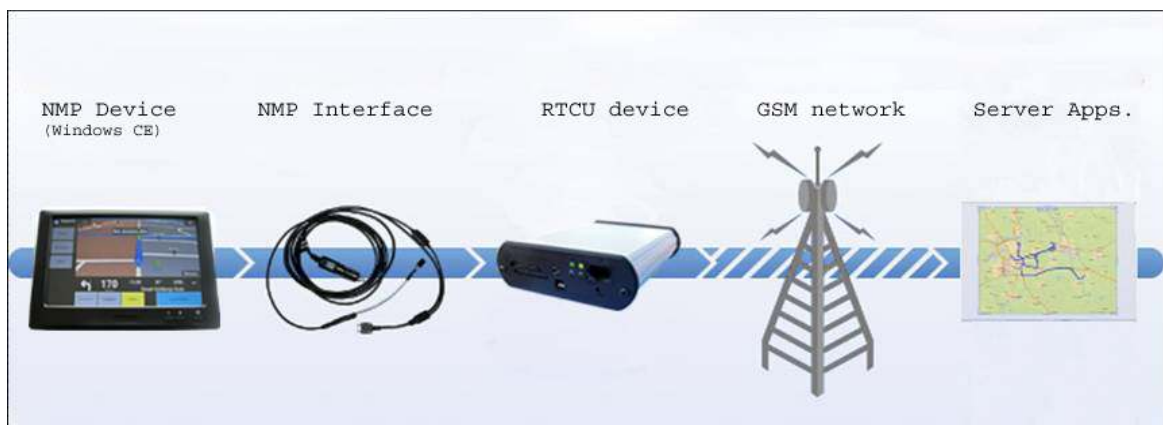


### The PNM-100 product package includes:

- Ruggedized Navigation and Messaging device:
  - 7-inch diagonal resistive touch TFT-LCD screen.
  - Strong non-detachable cable with data and power.
  - Running Microsoft Windows CE.NET 5.0.
- Navigation and Messaging Platform software installed.
- Sygic maps installed according to customer requirements.
- PNM interface box for connection to RTCU unit and power.
- Interface cables for the RTCU MX2i pro/pro+, RTCU CX1 flex/pro and the RTCU SX1 series.
- Power cable for connection to 12..36 volt.
- 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!*



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### Technical Data

Power supply	Min	Typ	Max		
Operating Voltage	12	-	36	VDC	Protected against wrong polarity.
Power Consumption		<10		W	The RTCU unit is not included
Core	Processor		S3C2416, 400 MHz		
	Flash		2 GB NAND		
	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	-25	-	+80	°C	External interfaces: • TYCO 'Mate'n'Lock' connector for power • RJ-45 connector for RTCU unit connection. • Mini USB 2 for ActiveSync and USB Host 1.1 • USB port • SD-card slot • Earphone jack NMP software and maps are pre-installed on the delivered SD-card.
Operating temperature	-10	-	+65	°C	
Operating humidity (non-condensing)	10	-	80	%	
Weight	615 (PNM device) 70 (PNM interface box)			g	
External dimensions	W188 x H114 x D35 W 75 x H 27 x D 50			mm	

