

# Navigation and Messaging Platform

*Powerful, open and flexible!*

The Logic IO Navigation and Messaging Platform (NMP) is a powerful and extremely open platform for implementation of state-of-the-art advanced fleet management applications integrating navigation, messaging, driver identification and job dispatch capabilities. The NMP platform operates on almost any Microsoft Windows CE 5.0 based device and is based on the market leading Sygic navigation engine tightly integrated into the powerful RTCU concept.



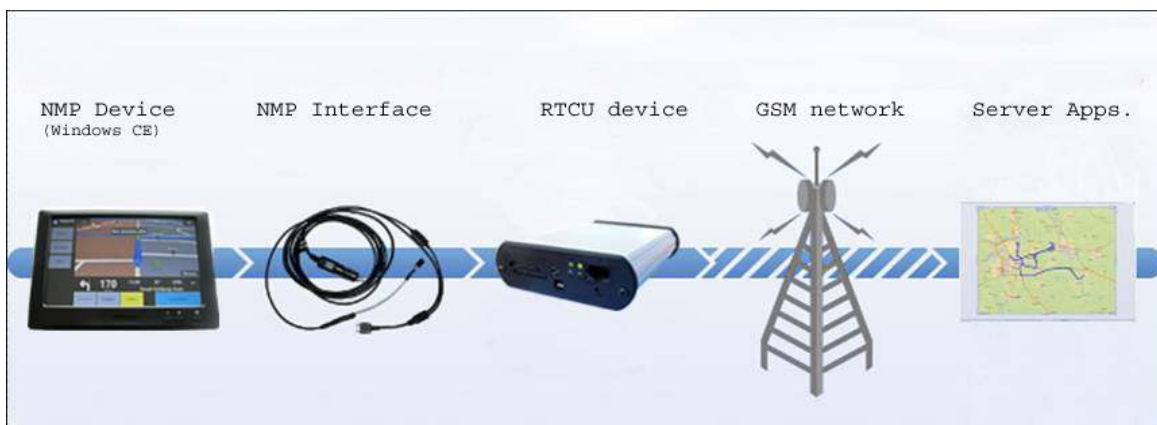
The Logic IO Navigation and Messaging Platform (NMP) is fully backward compatible with already developed RTCU applications utilizing the Garmin FMI interface, but extends the functionality to a new level of power and flexibility. A number of user defined on-screen keys can be defined and controlled in almost any way and additionally the Mobile Data Terminal (MDT-200) API is fully supported opening up for a new level of customized user interaction.

The key features of the Navigation and Messaging Platform:

- Based on the Sygic Navigation Engine running under Windows 5.0 (or later).
- Several map options including emergency maps for police, ambulance, etc.
- Versatile range of devices supported (large screen, ruggedized, waterproof, etc.).
- Fully compatible with the Garmin FMI level 2 API.
- Fully compatible with the Mobile Data Terminal (MDT-200) API.
- User defined on-screen buttons and dialogs with many user properties.
- Single GPS source with data from the RTCU device.
- Highly configurable user interface.
- Custom device logo, color theme and waypoint icons.
- Customer language and unicode support.
- Remote upgrade and configuration capabilities.
- Open architecture allowing specialized functionality to be added.
- Full RTCU IDE Simulator support for rapid development and demonstration.
- Supported by the RTCU MX2i pro/pro, RTCU CX1 flex/pro and the RTCU SX1 series.



As a logical extension to the huge library of functionality already available on the RTCU platform the NMP interface has been completely integrated into the concept, and the result stands out as the most advanced, flexible and programmable Fleet Management platform on the market today!



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**The Fleet Management / Navigation Interface Application Programmers Interface (API) utilizes an advanced multithreading event based interface and includes the following functionality:**

- Navigation Device:
  - Configurable communication speed.
  - Presence and serial-number of NMP device.
  - Personalized text on main-screen of the NMP device.
  - Delete specific data – including all – to bring NMP device to a known start state.
- User Identification:
  - User-id can be entered by the user on the on-screen keyboard, or from the API.
  - Define list of status available for the user to select.
  - Current status of user can be set/read by the user or from the API.
  - Up to 3 simultaneous users with authentication.
- Text Messaging:
  - Allows a range of text messages sent to and from the NMP device.
  - Confirmation and status of text messages available.
  - Quick messages can be defined for fast no-entry user feedback.
  - Application defined reply messages for fast no-entry user response to messages.
- Route management:
  - A number Stops can be sent to the NMP device as part of a route.
  - Sorting or route for shortest path for cost and fuel reduction.
  - A stop can be activated, set to 'done' or deleted by user or by the API.
  - Confirmation and status of each Stop available.
  - Auto-arrival feature will automatically signal a Stop 'done'.
- Estimated Time of Arrival (ETA):
  - ETA of current stop can be requested or automatically generated at a specified interval.
- Waypoints:
  - Set and Delete Waypoints.
  - User defined Waypoint icon.
- Direct user interaction:
  - User defined on-screen buttons with many controllable properties and events.
  - Dialogs with configurable buttons, allowing for quick feedback to the user.
  - Hardware buttons and LED can be controlled from the API.
  - Custom sounds can be played from the API with optional looping.
- Analog camera support
  - Control up to two analog cameras. Hide / show specific camera.
- Mobile Data Terminal:
  - Fully compatible with the Mobile Data Terminal (MDT-200) API.



Version UK 2.00

**Logic IO is offering the ruggedized PNM-200 and the PNM-200 series as a complete solution with interface cable, pre-installed NMP software including maps according to customer requirements.**

**The NMP product can also be licensed for use on other 3rd party Windows CE devices.**

**Please contact [sales@logicio.com](mailto:sales@logicio.com) for additional information.**

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