

FOR HARSH ENVIRONMENTS

## Industrial router with CAN interface

**The NB1601 industrial router from Netmodule (Germany) is suitable for condition monitoring, remote management, and telemetry. It provides a CAN interface.**



*The product comes with a temperature range of -40 ° to +70 °C (Source: Netmodule)*

The router provides the key technologies for stationary applications that require Internet access. For this purpose, this revised version of the NB1600 integrates a wireless router and WLAN access point. A selection of expansion interfaces such as CAN, EIA-232, EIA-485, and IBIS enable integration into industrial networks. The device integrates four Ethernet ports, which are configurable.

In addition to an isolated binary input, a relay output enables the connection of sensors and actuators. Due to a serial interface for example CAN, the product can be used for administration as a standard device server or system console. Its USB port allows file-based configuration and convenient upload of new firmware; it can also be used as an expansion interface.

Its metal housing, which is suitable for DIN-rail-mounting, in combination with the supported temperature range of -40 °C to +70 °C, offers the ruggedness required for use in industrial environments. The router is suitable for applications such as factory automation, condition monitoring, remote management, industrial security, environmental monitoring, and telemetry.

The device meets the requirements for Internet access by integrating the key technologies for stationary applications in its software. Access is granted via up to two LTE modems, and two SIM cards ensure availability in network connections from different providers. Its optional WLAN IEEE 802.11abgn module allows additional devices to be integrated into the network. Their connection to the Netmodule router software allows the standard VPN protocol suite to be used as usual.

For customer applications there is a LXC container, which is separated from the operating system. The SDK (software development kit) enables applications to be implemented via scripts. For example, data processing can be carried out directly on the router, which saves an additional industrial PC.

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