

Hirschmann OWL 4G Family

Next-Generation Cellular Routers

The OWL 4G family enables high-speed wireless connectivity and remote access across virtually any environment to keep up with the stringent demands of an increasing IIoT world.

-  **Fast wireless connectivity and reliable remote access** with technology designed for IoT or machine to machine (M2M) communications.
-  **Easy to configure and customize** using scripting, user modules and the software development kit (SDK).
-  **Enhanced security functionality**, including compatibility with VPN solutions, like IPsec and OpenVPN.

Key Features

- High-speed wireless connectivity through 4G, LTE, HSPA+, UMTS, EDGE, or GPRS technology
- Two Ethernet 10/100 Mbit/s ports, RS232 and RS485 interfaces, and built-in digital I/O connectivity
- Robust metal cover with DIN and wall mount options
- Operating temperature range of -40°C to +70°C
- Embedded GPS and optional dead-reckoning functionalities for innovative navigation and location tracking
- Fast VPN tunnel creation to ensure safe communications
- Optional built-in Wi-Fi module compatible with IEEE 802.11 a/b/g/n/ac standards
- Configurable web interface with customizable functionalities



The OWL 4G Family offers both increased routing functionalities and advanced security capabilities. Its web interface supports a rich set of configurations, and the enhanced software technologies make it easy to customize.

**Be certain.
Belden.**

Your Benefits

Hirschmann's OWL 4G family of routers and gateways enable secure, high-speed wireless connectivity and remote access for industrial applications in an increasingly connected world.

Edge computing configuration reduces infrastructure costs by providing an effective way to monitor and troubleshoot machines – without going on site or creating connections where wired networks are not feasible.

The expanded OWL 4G family covers all global frequencies. With variants for Europe, North America and Australia, organizations will be equipped to break into new markets with the ability to establish a secure connection anywhere in the world.

Application

In today's increasingly digital-connected world, the Hirschmann OWL 4G family was specifically designed to provide a next level of security and round-the-clock cellular connectivity for industrial customers.

Its comprehensive set of features make this gateway the ideal solution for the wireless connection of industrial M2M and IoT applications such as kiosks, industrial PCs, HMIs, traffic controllers, meters, UPS systems, and more. With upload speeds of up to 50 Mbps and download speeds of up to 150 Mbps, the router provides ample bandwidth for high data applications, such as CCTV or public Wi-Fi hotspots.

With an optional built-in Wi-Fi module, the routers are perfect for on-board Wi-Fi transport applications. Additional diagnostic features also provide automatic monitoring of the wireless and wired connections, automatic restart in case of connection losses, and a hardware watchdog that monitors the router status, ensuring continuous network uptime.

OWL 4G allows for advanced application and function customization – depending on various IoT needs – with its open Linux platform.

Markets

Due to its ability to securely and reliably connect an Ethernet network to the Internet, the OWL 4G family of routers is a key solution for companies taking advantage of IIoT capabilities. They offer specific value in the railway and public transportation sectors, where high-speed wireless and reliable remote access are critical, despite exposure to harsh conditions.

OWL 4G solutions are also relevant for other industrial sectors, including machine building, water and wastewater, wind and solar power and security.



Hirschmann's OWL 4G family of routers and gateways are designed to address the high-speed wireless connectivity needs of various industrial applications.

