# Wireless cloud connectivity

## Industrial-grade LTE 4G router

- Reliable bridge between Ethernet and LTE Cat-4 for stable connectivity

- Web interface, firewall, NAT, DHCP server and nano SIM card slot are integrated

- Flexible voltage supply via terminals or Power over Ethernet (PoE)

- High protection rating IP66 / IP67 possible using optional accessories

- M50 thread for easy integration into control cabinets

**IP67**

**ifm** – close to you!

| Version | Radio approval | Frequency band | Order no. |
|---------|----------------|----------------|-----------|
| Industrial LTE router (EMEA) | CE/RED | B1, B3, B7, B8, B20, B28 | **AE9000** |
| Industrial LTE router (US) | FCC | B2, B4, B5, B12, B13, B14, B25, B26, B66 | **AE9001** |

## Interface between plant and cloud

The Industrial LTE 4G router from ifm is used in various application areas where a reliable internet or cloud connection is required, but a wired IT infrastructure is not available. Possible reasons for this can be long distances making grid connection uneconomical, or the fact that the system is still in the concept phase.

The router provides a cost-effective and fast solution to overcome these challenges and facilitate a reliable internet connection for applications.

For example, edgeDevices can use the Ethernet port to store relevant machine data in cloud services. With their **moneo|Cloud**, ifm offers an IIoT platform that provides basic functions for optimising machine availability, process quality and energy consumption without any programming knowledge.

The router is also the preferred choice for remote access and remote diagnostics in industrial environments.

## Simple and protected installation

Thanks to the M50 thread, integration into control cabinets is easy, and the upper part of the device is protected to IP66 / IP67. The optional set of accessories (E90001) extends this protection to the entire housing and enables uncomplicated mounting on walls or masts with a diameter of 50...150 mm.

| Common technical data | |
|---|---|
| Communication interfaces | GNSS, mobile communications, 1x Ethernet |
| Protocol | TCP/IP, UDP/IP |
| Integrated functions | Firewall, NAT, DHCP server |
| Protection rating | Upper part: IP66 \| IP67 Connections: IP21 (IP67 when using the E90001 mounting set) |

| Mounting set | Order no. |
|---|---|
| For protection rating IP66 \| IP67 for wall and mast mounting (Ø 50...150 mm) | **E90001** |



## BEST FRIENDS



**edgeGateway control cabinet**
Connection of the sensor level to the cloud



**edgeGateway field applications**
Connection of the sensor level to the cloud



**moneo|Cloud**
IIoT solution in the cloud



*For further technical details, please visit:*
*ifm.com/fs/ae9000*