

Impulse C06

Gateway for Seamless Data Extraction and Cloud Connectivity.

Introducing the Impulse C06, a cutting-edge communication gateway designed to provide the fastest and most efficient pathway to the cloud. With its remarkable power and comprehensive remote control capabilities, this device revolutionizes asset communication, making it easier than ever to monitor and manage even the most distant or hard-to-reach devices. By seamlessly connecting your assets and sensors to our user-friendly cloud platform, the Impulse C06 empowers you with unparalleled control and visibility.



Connect

Through LTE / 3G /2G fallback with internal databuffer
Optional private LoRa Network server



Measure

Collect data from your assets, through one of our many interfaces.



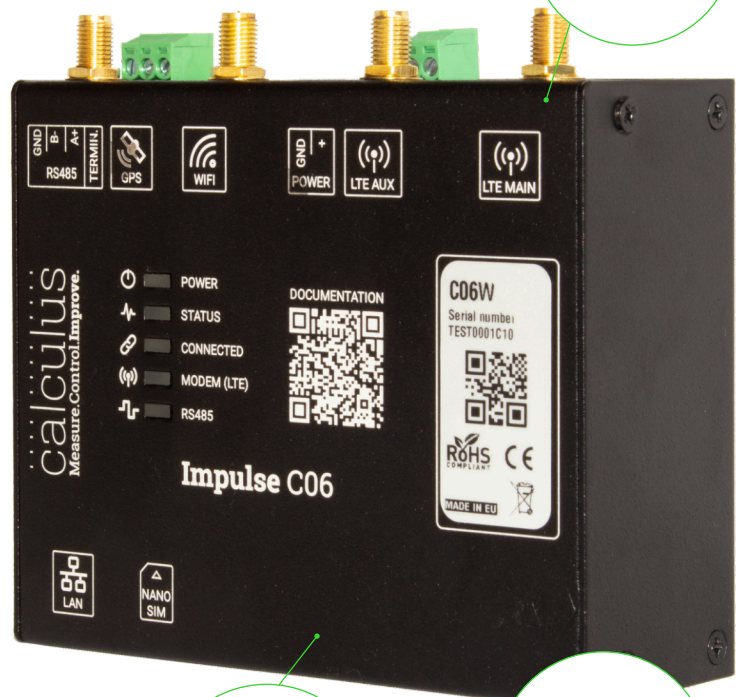
Manage

From a distance and control your assets. From our dashboard or trough VPN



Control

Execute remote actions instantly in the field, maximizing responsiveness.
Leverage edge computing capabilities to run scripts locally, enhancing efficiency.



MULTI
INTERFACE
SUPPORT

INTERNET -
PLC
SEPARATION

EDGE
COMPUTING

Technical aspects

Impulse C06

| MECHANICAL | | DEFAULT | OPTIONAL |
|-----------------------------|-------------------------------|---------|----------|
| Mounting | 35mm DIN-rail mounting module | • | |
| Enclosure protection degree | IP30 | | |
| Weight | 275 g | | |
| Operating temperature | -20°C ... +65°C | | |
| Storage temperature | -25°C ... +85°C | | |
| Operational position | Horizontal | | |
| Measurements | 108 x 90 x 54mm | | |

| POWER SUPPLY | | DEFAULT | OPTIONAL |
|------------------------------|--|---------|----------|
| Nominal voltage | 12-24V DC | | |
| Voltage limits | 9-36V DC (Absolute maximum voltage) | | |
| Power consumption | 5 Watt nominal, 8 Watt peak | | |
| Power connections | Industry standard pluggable connectors | | |
| Reversed polarity protection | Yes | | |
| Internal protection | Yes, by fuse | | |

| BASIC PROPERTIES | | DEFAULT | OPTIONAL |
|-----------------------------|----------------------------|---------|----------|
| Internal memory | 4 GB user data available | • | |
| Internal temp. monitoring | Yes | • | |
| Internal power monitoring | Yes | • | |
| Internal RTC battery backup | No | • | |
| GPS | Yes (SMA female) | • | |
| Software | Calculus platform | • | |
| | Over-the-air updates | • | |
| | Fog computing capabilities | • | |
| Motion sensor for wake-up | Yes | | • |

| WIRED / WIRELESS | | DEFAULT | OPTIONAL |
|------------------|-------------------------------------|---------|----------|
| Ethernet | 10/100 Mbit/s, RJ45 | • | |
| WIFI | 802.11 b/g/n 2.4GHz (RP-SMA female) | • | |
| LoRa (LPWAN) | Yes | • | |
| Cellular | 2G, 3G and 4G | • | |

| COMMUNICATION | | DEFAULT | OPTIONAL |
|-------------------------------|------------|---------|----------|
| Industrial ethernet protocols | Modbus TCP | • | |
| RS-485 / Modbus RTU | Yes | • | |

| SOFTWARE | | DEFAULT | OPTIONAL |
|---------------------------|--|---------|----------|
| Calculus portal compliant | Yes | • | |
| VPN tunneling | Yes, currently supporting DEIF utility tool out of the box | • | |

Want to know more?

For more information about pricing, licensing and support, please contact us at hello@calculus.group

Contact

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