

IRRInet EDGE

A New level of connectivity

The IRRInet Edge gateway enables exceptional remote monitoring and control capabilities.

This control unit is another controller in the IRRInet product family and is a bridge that connects us between the Motorola control systems that exist today and the latest communication infrastructures based on IoT and IP.



Features and Benefits

Integral part of the ICC PRO and IRRInet solution
IRRInet EDGE is compatible with the ICC PRO's central software and with all the IRRInet line of products including IRRInet ACE & M, Piccolo XR, Piccolo RTU and the MDS (Mottech Decoder System) via MDS Interface.

IoT Connectivity

The IRRInet EDGE is an intelligent gateway designed for IoT applications. Compatible with P25, LTE and LoRa, and is capable of handling input from hundreds of low-voltage wireless sensors, up to 10 km away

Variety of Modules

The IRRInet EDGE offers a wide range of I/O modules (digital and analog) to facilitate irrigation & water control and monitoring applications, in addition CPU contains 3DI + 1DO

Remote Connectivity

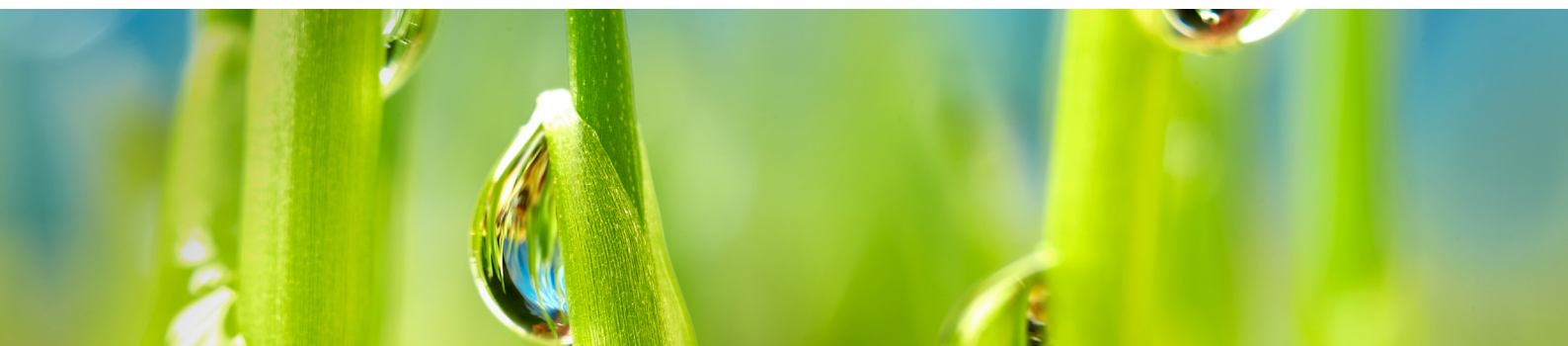
On-site and remote programming

Communication Ports on CPU

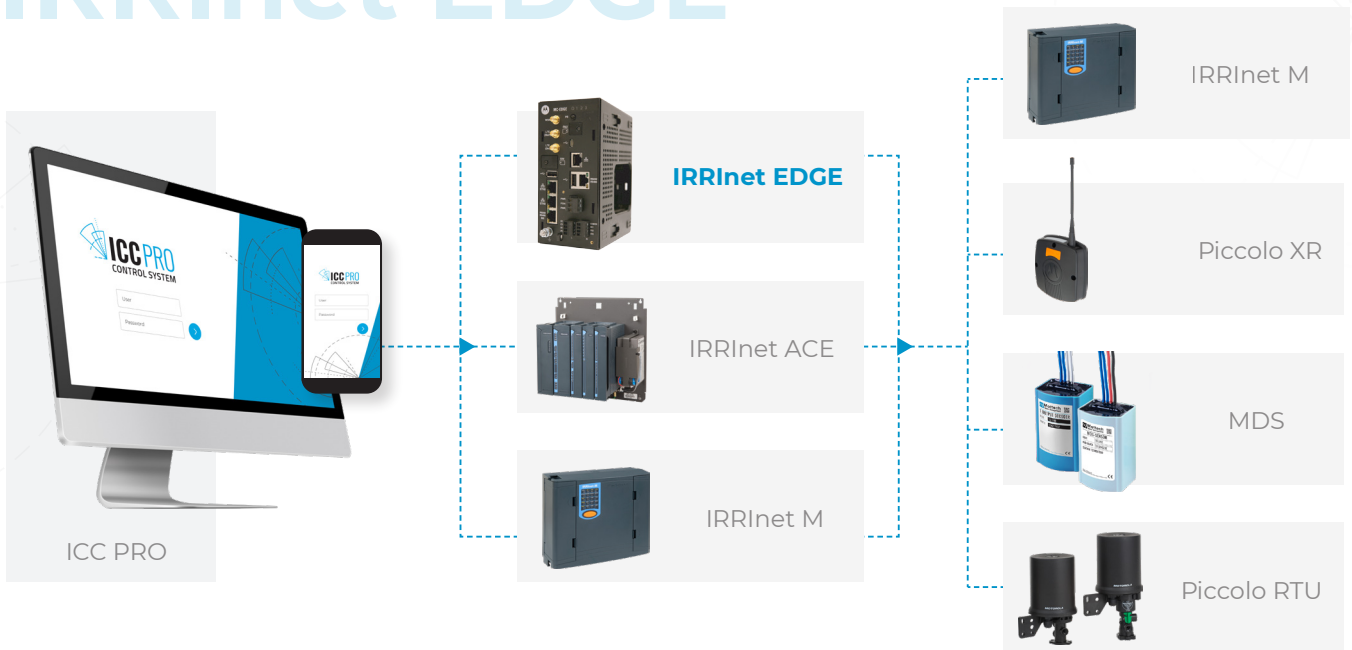
- RS232/RS485
- Ethernet
- OTG
- More expansion options

Power management

- 9-30V DC
- Preconfigured thresholds based scenarios
- 5 power consumption options available



IRRInet EDGE



System specifications

Software

- Maintaine tool: STS
- MDLC Networking: Yes
- RTU to RTU communication: Yes
- MDLC Store and Forward: Yes
- Services: DNS, DHCP
- Protocols: MLDC, Modbus, SSH, SFTP

Internal communication device

- LTE: 4G, 3G, 2G
(Depending on the location)
- LORA GATEWAY:
863 - 870 MHz, 902 - 928MHz
- More communication device available
(not internal)

IO's

- Main board: 3DI + 1DO
- Input Module: 12DI+ 8AI (AI: 0 -20mA, 4 -20mA, 0-5V)
- Output Module: 8DO + 2AO (AO: 0 -20mA, 4 -20mA, 0-10V)
- Mixed I/O Module: 7 DI+6 DO + 4AI
(0-20mA, 4-20mA) 1AO (AO: 0 -20mA, 4 -20mA, 0-10V)
- More modules in the future

General

- Dimension: 2.95" x 6.3" x 4.4" (WxHxD)
(main/each expansion)
- Installation: Din rail / Wall mount option
- Construction: Modular
- Internal Transceiver Options: P25, LTE, LoRa
- External Connections:
Analog, MOTOTRBO, TETRA, P25, Null Modem