Piccolo XR | WIRELESS REMOTE TERMINAL UNIT

Radio Piccolo XR & PIU

The Piccolo XR is a small sized wireless Remote Terminal Unit that operates as an integral part of the IRRInet system.

The Piccolo XR operates up to 4 latched outputs and may receive up to 7 digital inputs (model dependent).

The PIU (Piccolo XR Interface Unit) is connected to the IRRInet Field Unit, and communicates with Piccolo-XR units via its internal two-way low-power radio.

The Piccolo XR and PIU are equippedwith internal 10/100mWatt radios (configurable). In order to extend radio coverage the Piccolo XR is capable of operating in a networking mode using numerous hops.

Features and Benefits

Frequency range (PIU and Piccolo XR)
- 430-450MHz
- 450-470MHz

PIU - I/O capacity
- Up to 248 inputs and 248 outputs
- Internal UHF two way radio
- RS232 communication to IRRInet field unit
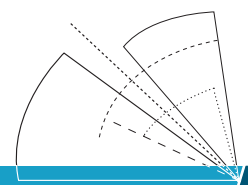- RS485 communication to IRRInet field unit

Piccolo XR and PIU Power Supply
- External 6VDC for Piccolo XR
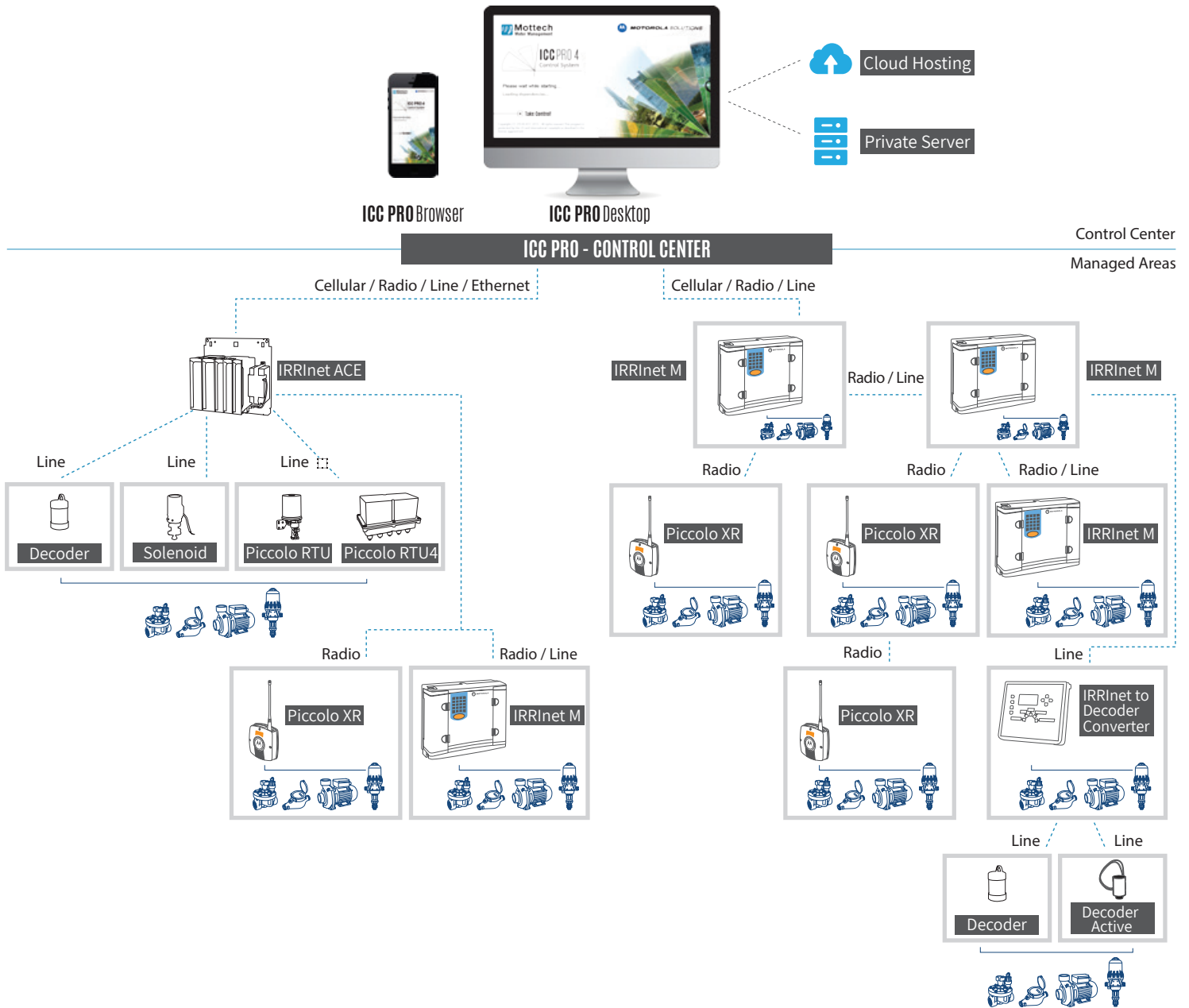- 6 to 12VDC for PIU

Available I/O models
- 1 DI / 1 DO
- 2 DI / 2 DO
- 4 DI / 4 DO
- 7 DI / 1 DO

Environmental Conditions
Operating temperature: -30° C to + 60° C
(-22° F to + 140° F)

System Topology

Cloud Hosting

Private Server

ICC PRO Browser

ICC PRO Desktop

Control Center

ICC PRO - CONTROL CENTER

Managed Areas

Cellular / Radio / Line / Ethernet

Cellular / Radio / Line

IRRInet ACE

IRRInet M

Radio / Line

IRRInet M

Line

Line

Line

Radio

Radio

Radio / Line

Decoder

Solenoid

Piccolo RTU

Piccolo RTU4

Piccolo XR

Piccolo XR

IRRInet M

Radio

Radio / Line

Radio

Line

Piccolo XR

IRRInet M

Piccolo XR

IRRInet to Decoder Converter

Line

Line

Decoder

Decoder Active

Take Control!