

# Piccolo XR Plus | WIRELESS REMOTE TERMINAL UNIT

**NEW**

## Same Qualities, More Options

The Piccolo XR Plus is a small-sized wireless remote terminal unit that operates as an integral part of the IRRInet system. Extending the capabilities of the basic unit, the Piccolo XR extended unit operates up to 8 latched outputs and may receive up to 12 digital inputs.

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

Both the Piccolo XR Plus and the PIU are equipped with configurable internal 10/100mW radios to extend radio coverage, and can function as part of the communication network, using store and forward protocol.

This Piccolo XR series was designed to work in nearly all environments. With a self-contained, secured enclosure structure, these units can be installed and ready to work with your IRRInet system in minutes.

Endowed with very low power requirements, the Piccolo XR Plus is a high-efficiency unit. This apparatus ships complete with a 6V/90mA solar panel, designed to prolong the battery's lifespan, provide a stable energy source, and ensure reliable communications.

## Features and Benefits

### Frequency range

- 430-450MHz
- 450-470MHz

### Piccolo XR Power Supply

- External 6VDC

### Available I/O models

- 6DI/ 6DO
- 8DI/ 8DO
- 12DI/ 4DO



 **Take Control!**

# 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 equipped with 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

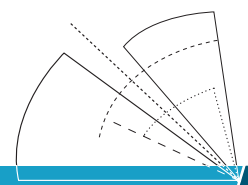
- External 6VDC for Piccolo XR
- 6 to 12VDC for PIU

### Available I/O models

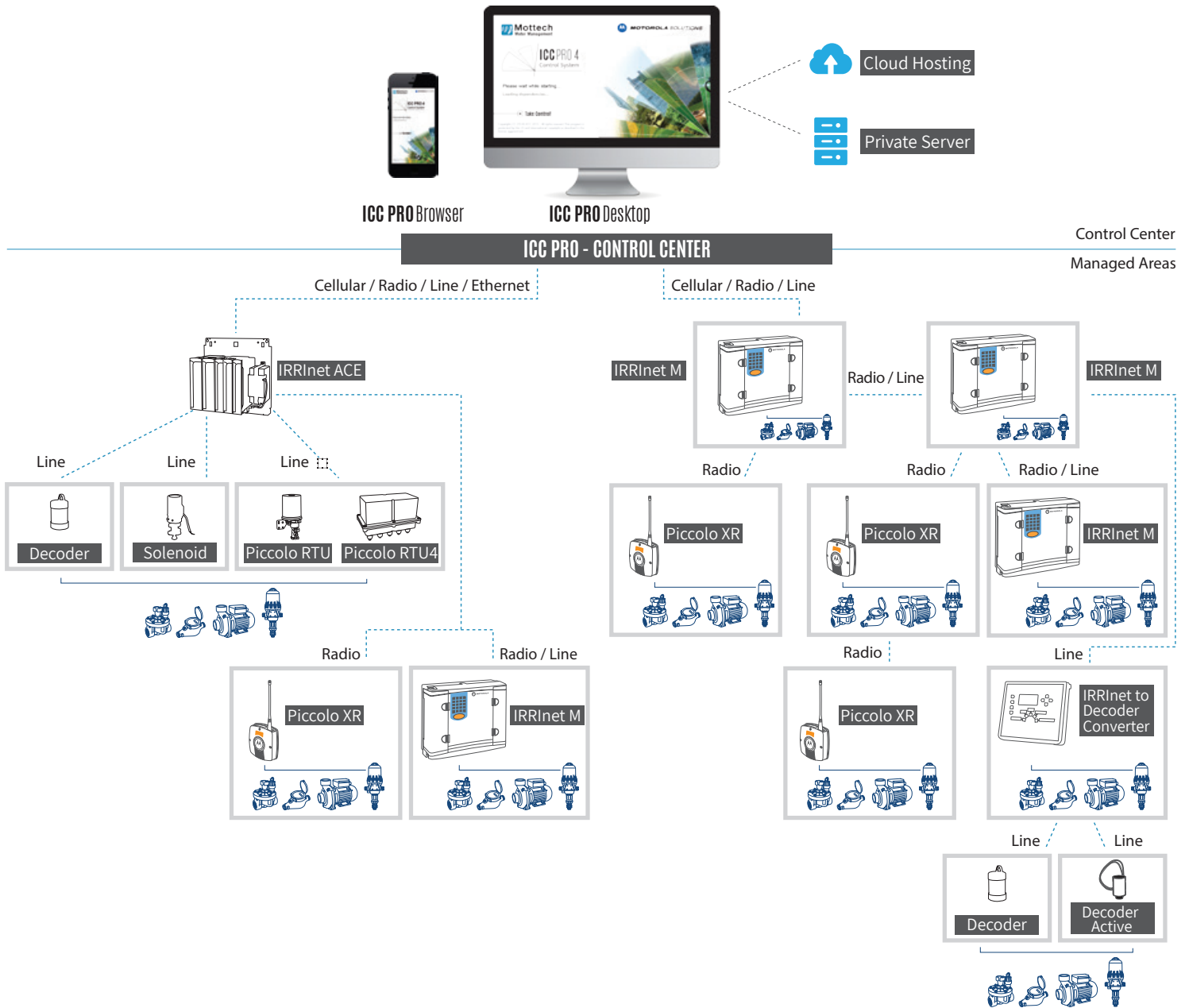
- 1 DI / 1 DO
- 2 DI / 2 DO
- 4 DI / 4 DO
- 7 DI / 1 DO

### Environmental Conditions

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



# System Topology



**Take Control!**