



IRRInet-ACE

New Generation Field Unit, Expanding the IRRInet Control System

Today, more than ever, water and irrigation applications depend on reliable control systems and well timed access to information. When absolute control is crucial, you can rely on Motorola's IRRInet control system.

As a full featured part of the IRRInet control system, IRRInet-ACE is a modular field unit with a power supply, CPU and up to eight I/O modules.

Greater installation flexibility is provided with support for 3rd party sensors and PLC units (VFDs, pH, EC) as well as multiple communication options including broadband data over IP, various radio frequencies, cellular and an assortment of wireline options. This level of flexibility makes it suitable for new installations and easily migrates into existing IRRInet systems.

With DIOS connectivity, the IRRInet-ACE can activate Piccolo-XR units with its PIU functionality. On-site and remote control is supported by four modes of connectivity.

1. In the Field
2. Online
3. On the Go (iOS or Android App)
4. ICC PRO Desktop Application

Installation options include various Field Ready Units - depending on the exact application and client needs.

No Fees.

For the last 45 years, we could not find a valid reason to charge recurring fees. And we have no plans to change. Never any fees.

System Configuration



Water Management System Datasheet

Control Center

LAN/WAN



Radio

Field Units



IRRInet-XL/XM*



IRRInet-ACE



IRRInet-M (Master)

Radio

Remote I/O's



Single Cable Piccolo RTUs*



Scorpio*



Impact*



IRRInet-M (Slave)



Piccolo XR

*Previous Generation Products

Cost Effective Water Control System
Suitable for Various Applications:

- Sub-Surface Drip
- Center Pivots
- Flood Irrigation
- VFD pump Control

Wired and wireless communications options

Multilingual software: Change language on the fly

Effective alarm system: Supports paging and SMS with no Modem needed. SMS via IP

4 Remote operation options

Real-time and historical trends data logger

Tariff/Time (TAT) water accumulation programs

Fully Graphical User Interface (GUI)

Operate previous generation products and new products in the same system

6 SIGMA Manufacturing
MTBF:30 years
ISO Quality (ISO9001:2000)
health and safety (OHSAS 18001),
and environmental management
(ISO 14001:2004) standards.

Branif Systems, Inc.

23272 Mill Creek Dr.,3rd Floor
Laguna Hills, CA 92653
949.552.6552 Telephone
949.786.2300 Fax

motorolairrigation.com
irrigation@branif.com

I/O Capacity

- Up to eight I/O modules may be connected to the IRRInet-ACE; digital inputs (16, 32), digital input/digital outputs (16, 32), digital output (8, 16, EE or ML), analog input (8, 16) and variety of mixed I/O modules

Software Capacity

- 500 Outputs
- 500 Inputs
- 250 Main lines
- 400 Programs
- 400 Groups
- 50 Virtual meters
- 50 Fertilizer pumps
- 100 Remote I/O units (IRRInet-M slaves)

Power Source

One of the following available options:

- 12 V DC low tier (simple 12 VDC connection)
- 10.5-16 V DC (default)
- 18-72 V DC
- 18-72 V DC with 12V battery charger
- 85-264 V AC
- 85-264 V AC with 12V battery charger

Communication Ports

- Port #1 (optional plug-in): Radio, RS232, RS485 or Ethernet 10/100 Mb/s
- Port #2: Configurable RS232 or RS485
- Port #3: RS232
- Port #4: Ethernet 10/100 Mb/s, (on CPU 3640 only)
- Port #5: (optional plug-in) radio modem, RS232, RS485 or Ethernet 10 Mb/s

Why Motorola?

Motorola has, for the past seventy-fi years, been one of the world's leading providers of electronic components, Radio Frequency (RF) solutions and communications systems. For over four decades, Motorola has been providing reliable wireless water and irrigation control systems and now has over a hundred and forty thousand installations worldwide, in a wide range of applications. With global distribution and service centers, Motorola experts are close to customer systems with integration services and training. The IRRInet System combines Motorola's technology leadership with proven reliability through local support teams.

About Branif Systems

Branif Systems is your Systems Integrator, Distributor and Support provider of Motorola Irrigation products. A network of Authorized Dealers and Motorola Irrigation support teams are located nearby to support customers. To find a Motorola Dealer, visit www.motorolairrigation.com/dealer



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