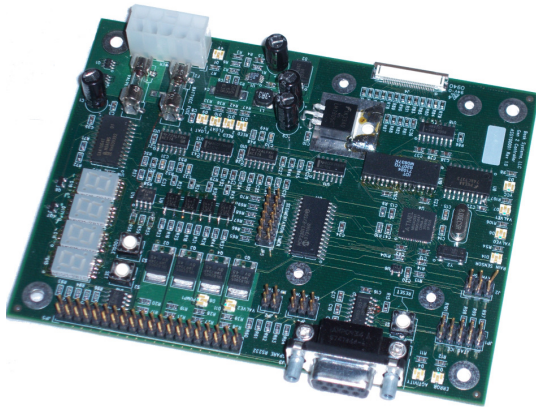# Intercon Proton

ADVANCED TECHNOLOGY FOR REMOTE SENSING, CONTROL AND ASSET MANAGEMENT

The Intercon Proton combines the power of Velocita Wireless Mobitex™ Data only network with a variety of interface and I/O options to allow for a quick integration or upgrade of a low cost wireless data connection.

The Proton product line provides the quickest and lowest cost solution for entry into the wireless controller market.

INTERCON TECHNOLOGY

The Proton technology provides a stand alone asset management controller.

- 5 Switch inputs,
- 5 TTL level I/O's,
- 2 Analog Outputs,
- 1 UART (RS232)
- Optional Accessories

APPLICATIONS

The Proton based products are ideal for quick integration into existing wired or non-wired applications including:

- Oil and Gas Monitoring,
- Water Management,
- Remote sensing applications, and
- Vending applications.

MOBITEX™ NETWORK

The Mobitex™ Network from Velocita™ Wireless provides:

- Dedicated Data Network,
- Coverage of 93% of US business population,
- Flexible and scalable installations, and
- Secure, reliable and guaranteed delivery of data.

Intercon Tech, LLC

8714 Charro Lane
San Antonio, TX 78217
(210) 872-2381
wwww.go-intercon.com

Intercon Proton™

Proton Integration Case Study

Problem:

A storm water abatement filtration company was looking to upgrade their legacy controllers. The legacy controllers did not have remote monitoring capabilities. This required a service engineer to be dispatched during a rain event to ensure proper operation of the system.

Solution:

Customer selected the Intercon Proton module, coupled with Intercon Technology's Mobitex Control Protocol (ITMCP) and D-Bus service stack provide an end-to-end solution for communicating with and controlling monitored endpoints from a central host system. With these tools, easily customizable control applications can be created to monitor and control generic devices. For more intelligent devices, customization services are available to meet particular needs.

Results:

Company was able to quickly and seamlessly upgrade the legacy systems with no internal development effort.

By utilizing the remote monitoring capabilities of the Proton, the customer was able to get real time status of their deployed assets, without the need to dispatch a service engineer. With real time feedback, the customer was notified if a rain event or a self-test error condition occurred.

Intercon Tech has the in-house capability to provide custom interfaces and system integration, if one of the following solutions does not meet your needs. For more information, contact:

sales@go-intercon.com

Mobitex™ is a trademark of Mobitex Technology, AB
Creatalink® is a registered trademark of SmartSync, Inc.
ReFlex™ is a trademark of Motorola, Inc.

SPECIFICATIONS

Attribute			Unit
Electrical			
Voltage		12 – 20	Vdc
Current *		1.5 –2.6	A
Current **		80	mA
Physical Dimension***			
Width		5	Inch
Length		3.75	Inch
Height		.75	Inch
Digital I/O's (TTL)		0 – 5	Vdc
Analog Outputs		0 –12	Vdc
Current Max		2	A
Comm Interface			
RS232			-
Radio Technology			
Mobitex Network		921	MHz

*Transmit mode peak current.
**Idle mode.
***Board only, no enclosure.

OPTIONS/ACCESSORIES*

Part Number	Description
PROTON-ENC	Nema 4, water proof enclosure with mounting bracket
PROTON-SLR	Solar power kit, includes solar panel, mounting bracket, battery pack and cable assembly
PROTON-EXTANT	External antenna kit, Includes mounting bracket, antenna and 25' of cable.
PROTON-ACPWR-120	120 Vac power kit.
PROTON-ACPWR-220	220 Vac power kit.
PROTON-GPS	GPS upgrade kit, includes GPS module, antenna and antenna mounting bracket.

*Contact Intercon for specifications on the PROTON Accessories.