

## Intercon Electron



### ADVANCED TECHNOLOGY FOR REMOTE SENSING AND CONTROL

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

### INTERCON TECHNOLOGY

The Electron technology provides a variety of interfaces to the Mobitex™ Data Network.

- RS232 – Standard RS232 interface.
- USB – USB 2.0 interconnect.
- I/O Only – Ideal for remote sensors.

### APPLICATIONS

The Electron 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 Electron

## ReFlex™ to Mobitex™ Conversion Case Study

### Problem:

A company with a legacy installed base of Creatalink® modems on the ReFlex™ data network was having two problems, first they did not have a reliable source of modems and second they were losing network coverage.

### Solution:

Customer selected the Electron-232-RW 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 little internal development effort.

- Saved the existing customer base,
- Was able to integrate into new product lines, increasing their customer base, and
- Allowed internal development staff to focus on other applications.

## OPTIONS

Model	COMM		Analog Inputs**	Digital Inputs**	Power Supply*	Enclosure	External Antenna*
	USB	RS232					
Electron-232-RW	-	X	3	8	-	-	-
Electron-USB-RW	X	-	3	8	-	-	-
Electron-I/O-RW	-	-	3	8	-	-	-
Electron-232	-	X	3	8	X	X	X
Electron-USB	X	-	3	8	X	X	X
Electron-I/O	-	-	3	8	X	X	X

\* Power Supply and External Antenna are not standard on the Electron-XXX-RW family of products, but can be supplied as an option.

\*\*Digital I/O's and Analog Inputs are shared pins and cannot be used as both.

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](mailto: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
Comm Interface*		
RS232	Optional	-
USB	Optional	-
Electrical		
Voltage	4.8 – 6.0	Vdc
Current	1.5 – 2.6	A
Physical Dimension**		
Width	1-1/8	Inch
Length	3-7/8	Inch
Height	1/2	Inch
Digital I/O's	0 – 3.3	Vdc
Analog Inputs***	0 - 12	Vdc

\* Comm Interface selectable by model number.

\*\* Physical Dimensions without enclosure.

\*\*\* Analog Input voltage selectable by order.