

# Wavetronix Click!™ 400 Series

## Wireless Data Converters

Solve your ITS system's wireless communication problems with simple connectivity by Wavetronix.



### Advantages:

**Durable construction!**

**Slim design!**

**DIN rail mounted!**

**Low power devices!**

#### **Click! 401™**

##### **SERIAL to 802.11b CONVERTER**

- Converts serial communication to 802.11b and vice versa
- Includes multiple communication ports
- Uses either 802.11b or serial interfaces to configure baud rates

#### **Click! 402™**

##### **GSM Modem**

- GSM remote wireless dial-up access
- Maximum RS-232 communication rate of 115.2 kbps
- Supports all standard RS-232 communication protocols

#### **Click! 403™**

##### **SERIAL to BLUETOOTH® CONVERTER**

- Converts half-duplex serial communication to Bluetooth® and vice versa
- Includes two RS-232 ports and two RS-485 ports for device pass-through
- Allows device configuration and monitoring without requiring hardware connection or disconnection

The simple connectivity of the Click! 400™ series of wireless data converters makes it easy to integrate the Wavetronix SmartSensor™ into existing wireless data networks. As part of the Wavetronix Click!™ family, the 400 series offers easy-to-use communication solutions that deliver the most accurate traffic data possible.

Click! 400 series modules are DIN rail mounted and include hot-swappable connection buses and pluggable screw terminals for easy installation. The slim design allows the modules to operate as stand-alone products or in conjunction with other Click! devices, and the durable, low-power devices are designed to operate in extreme conditions. Front-panel LEDs indicate proper set-up and operation, and all of the modules are equipped with multiple connection ports for user convenience.

The Click! 401™ Serial to 802.11b Converter Module allows serial devices like the SmartSensor to communicate over 802.11b by converting either RS-232 or RS-485 communication to 802.11b communication and vice versa. The 401 device can also perform serial conversions and uses either 802.11b or serial interfaces to configure its communication baud rates.

For modem-based communication systems, the Click! 402™ GSM Modem offers remote access to SmartSensor and other compatible ITS devices. The modem complies with telephone systems world-wide and connects to all standard RS-232 devices with a maximum RS-232 rate of 115.2 kbps.

The Click! 403™ Serial to Bluetooth® Converter Module allows Bluetooth® communication with SmartSensors and other serial devices. The convenience of Bluetooth® communication allows users to monitor sensors after installation is complete without physically connecting to the sensor or peripheral device. Like the 402, the 403 can perform RS-232 to RS-485 as well as serial to Bluetooth® conversions.

Simple connectivity makes the Click! 400 series the most reliable and most cost-effective wireless communication solution available. Ask for a free demonstration and let us prove to you how our simple connectivity defines the standard in ITS technologies.



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# Click!™ 400 Series Specifications

## Shared Characteristics

Weight:	.2 lbs
Physical Dimensions (HxWxD):	11.4 x 10.2 x 2.5 cm (4.5 x 4.0 x 0.9 in)
Ambient Operating Temperature:	-34°C to +74°C
Humidity:	Up to 95% RH
Input Voltage Range:	10-30 VDC
RS-485 Voltage Range	-9 V to +14 V
RS-232 Voltage Range	±25 V
RS-232 to RS-485 Turn Around Time:	1.1 mS

## Click! 401

Power Consumption:	2 W
Communications:	802.11b, RS-485 and RS-232 DTE
Baud Rates:	Two (2) RS-485 Ports - 9600 bps, 19200 bps, 38400 bps, 57600 bps One (1) RS-232 Port - Up to 115200 bps

## Click! 402

Power Consumption:	TBD
Communications:	GSM, RS-485 and RS-232 DTE
Baud Rates:	Two (2) RS-485 Ports - 9600 bps, 19200 bps, 38400 bps, 57600 bps One (1) RS-232 Port - Up to 115200 bps

## Click! 403

Power Consumption:	TBD
Communications:	Bluetooth, RS-485 and RS-232 DTE
Baud Rates:	Two (2) RS-485 Ports - 9600 bps, 19200 bps, 38400 bps, 57600 bps Two (2) RS-232 Ports - Up to 115200 bps

*Full specifications available upon request.*



## Simple Connectivity by Wavetronix

Fully compatible with SmartSensor™, SmartSensor Advance™, Wavetronix DataCollector™ and other Click! products.

**Represented by:**