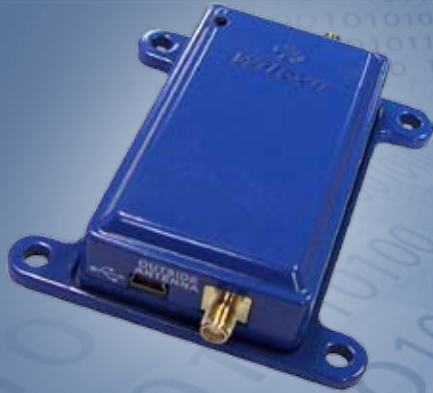


# Machine to Machine Solutions



MADE IN  
THE USA 

## Wilson Electronics DataPro Direct Connect

### Cellular Signal Booster for M2M Installations

The DataPro Direct Connect is Wilson Electronics' first cellular signal booster developed specifically for M2M installations. This direct connect configuration is based on the same field-tested, market-proven technology that powers Wilson's Sleek in-vehicle booster for the consumer market. The dual-band DataPro is ready to integrate with CDMA modem installations to provide strong, reliable cellular signal that ensures successful M2M data transfer. This product works on all North American CDMA networks.

The DataPro's compact form factor and low price make it an ideal component for M2M installations in weak signal environments. Integrators and OEMs can pair the DataPro with a variety of expertly designed Wilson Electronics cellular antennas for maximum system gain to overcome a weak signal. Weak signals can be caused by many things, but the two main reasons are distance to the cell site, or obstructions such as brick, steel, trees or hills.

The DataPro also incorporates power control logic that ensures maximum output power is within cellular network standards and will not interfere with a cellular network.

#### Features

- Bi-directional signal booster amplifies signal to and from cell site
- Works with CDMA
- FCC type accepted, Industry Canada certificated
- Configurable to fit virtually any M2M installation



# DataPro™ Direct Connect



### User Benefits

- Boosts both signal coming from the cell site, and the signal going back
- Strong, reliable signal even in remote locations or other weak signal areas
- Less resending of data due to poor connection means faster data transfers
- Compatible with all North American CDMA cellular technologies

### Product Specifications

<b>Model / Part Number</b>	811225	
<b>Connectors</b>	SMA Female	
<b>Impedance (input/output)</b>	50 ohms	
<b>Dimensions</b>	3.3 x 1.9 x .8 inch (8.4 x 4.8 x 2.0 cm)	
<b>Frequency</b>	824-894 MHz / 1850-1990 MHz	
<b>Gain</b>	12dB Nominal	
<b>Power output (uplink)</b>	<b>800 MHz</b>	<b>1900 MHz</b>
<b>CDMA</b>	28.9 dBm	31.8 dBm
<b>Noise Figure (typical)</b>	3 dB nominal	
<b>Isolation</b>	>40 dB	
<b>Power Requirements</b>	5V DC, 1A	

With availability of the DataPro, OEMs can source a compact, powerful and highly compatible signal booster ready to deploy with their products. Integrators can more easily custom design M2M communication systems that fit tightly constrained spaces. The DataPro provides the signal boosting performance needed to ensure data transfer to and from weak signal areas.

Juniper Research has forecast the number of wireless M2M devices will grow to 412 million by 2014. Wilson is the only manufacturer specifically designing cellular signal boosters for M2M installations.

### Install Diagram

