



DataStream 900 Fixed Network



Features and Benefits

- ⇒ Secure access to data
- ⇒ Meter location data backup stored within DataSend
- ⇒ User configurable reading intervals
- ⇒ Billing and consumption profiling data
- ⇒ Single meter reads
- ⇒ Automatic warnings of network problems
- ⇒ Remote reconfiguration of the network topology
- ⇒ Endpoint leak and tamper detection
- ⇒ No user license is required

Application DataStream 900 Fixed Network provides a flexible and low cost solution for utilities and sub-metering. DataStream is a wireless, fixed network system designed for residential and commercial environments.

Operation A DataStream system consists of a DataSend (concentrator) and multiple DataRelays (aggregators) units and end-points such as ESP, DataSource 900 and 900 series TransPond-ITs. The endpoint transmits meter data at regular intervals to the DataRelay. DataRelay then transmits to the DataSend where the data is stored ready for export at user defined intervals to the remote access PC, through either direct dial-up connection or IP connection using GPRS, ADSL or Ethernet.

Installation DataStream is easy to install as there is no wiring required, other than power. Our software controlled installation process guides you through the process effortlessly and automatically builds a meter location data-base.

DataSend DataSend can control up to 100 DataRelays and each DataRelay is capable of receiving 50 endpoints each thus resulting in a fixed network of up to 5000 endpoints. The network coverage can be extended using DataRelay to DataRelay communications, the topology of which is automatically configured by DataSend. DataSend is capable of storing up to 90 days worth of meter reads, depending on the number of endpoints and reading frequency.

System Specifications	
Operating Frequency Range	902-928 MHz
Modulation	FHSS
FCC	FCC 15 Part 247
Number of DataRelay	100
Number of Endpoints	5000
Read Sampling Rate	Configurable
DataSend900 Specifications	
Power Source	115 VAC 60 Hz., 5 VDC 750 mA
Dimensions	180 x 94 x 43 mm
Operating Temperature	-4°F to 135°F
Storage Temperature	-40°F to 160°F
DataRelay900 Specifications	
Power Source	115 VAC 60 Hz., 5 VDC 750 mA
Dimensions	94 x 94 x 43 mm
Operating Temperature	-4°F to 135°F
Storage Temperature	-40°F to 160°F
External Communications Options	
PSTN	
GPRS	
Packet Data Features	GPRS Class 10, PBCCH support
Coding Schemes	CS1 to CS4, Embedded TCP/IP stack
Frequencies	Quad-band GSM 850/900/1800/1900 MHz
PTRCB Registered Device	MTSMC-G2-IP
ADSL Wireless	
Network Interface	IEEE 802.11b/g
Frequency Range	2.400 to 2.484 GHz
Data Rate	Up to 54M bps
Ethernet	
Interfaces	10/100Base T Ethernet, Asynchronous Serial

DataSend Communication Options	Part No
PSTN	DS-C900P
GPRS	DS-C900G
ADSL	TBA
Ethernet	TBA

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BluTower, Inc.

2855 South Pine Ave.
Ocala, FL 34471
Tel: 352-624-8695
Fax: 352-624-8696

Email: infoweb@blutower.com
Web: www.blutower.com

