

# FS-8705-39 – Satchnet SNP Protocol SSNP Driver

DATASHEET - Rev 1

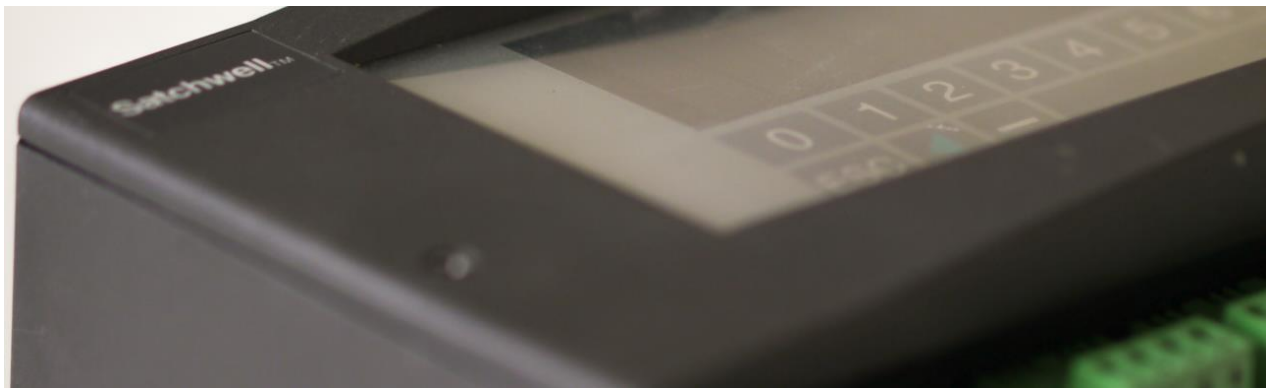
## DESCRIPTION

The Satchnet network protocol (SNP) protocol was developed by Satchwell.

This serial driver connects to a trunk of 1 or more SNP enabled devices.

Most often this driver is used as a Client. It actively reads and writes the field devices connected on the trunk. The driver is capable of being linked with other FieldServer drivers to form regular FieldServer firmware that can be installed on QuickServer and other FieldServer gateways. Other drivers can access the EKM Meter data and serve using other protocols such as BACnet and Modbus.

The driver is also capable of emulating a Satchnet device. In other words you have a SNP system communicate with a foreign device as if it were a Satchnet device. This is the driver operating in Server mode.



## CONNECTION FACTS

FIELDSEVER MODE	NODES	COMMENTS
Client	Many	Number of devices is determined by vendor and RS485 limitations. Trunks of dozens of devices supported.
Server	Many	The driver can simulate a Satchnet device.

## FORMAL DRIVER TYPE

Serial RS485  
Active Client

## COMPATIBILITY

FIELD SERVER MODEL	COMPATIBLE
FS-2010/2011/4010 (Legacy)	Yes
FS-35 Series	Yes
FS-QS Series	Yes

## CONNECTION INFORMATION

Connection Type: EIA485  
Baud Rates: Driver Supports : 1200,2400,4800, 9600; 19200; 28800; 38400; 57600 Baud .

Data Bits: Driver Supports : 7,8

Stop Bits: Driver Supports : 1,2

Parity: Driver Supports : Odd, Even, **None**

Hardware Interface: N/A There is no flow control  
Multidrop Capability: Yes

## DEVICES TESTED

DEVICE	TESTED (FACTORY, SITE)
Siemens Satchnet Card	2019Feb Customer location in the UK

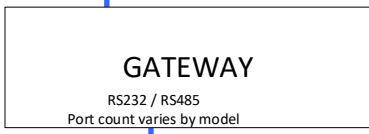
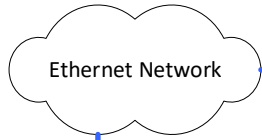
## CONNECTION CONFIGURATIONS

Multiple upstream protocols and connection supported. See list of FieldServer Drivers.

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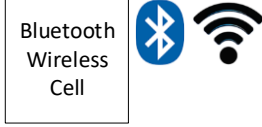
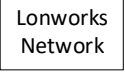
- Other serial protocols such as
- Bacnet MSTP
  - Modbus RTU, ASCII, and other flavors
  - Rockwell DF1
  - GE-SNP
  - JCI Metasys N2
  - And more...

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- Other ethernet protocols such as
- HTTP, XML
  - BACnet IP or Eth
  - Modbus TCP
  - AB-CSP
  - Ethernet/IP
  - SNMP, Telnet
  - GE-EGD, GE-SRTP
  - Omron FINS
  - DNP3
  - And more...

- Other bus protocols such as
- Profibus
  - DeviceNet
  - DH+
  - Modbus+
  - ControlNet
  - BACnet Arcnet



**Satchnet SNP Driver**

## PROTOCOL SERVICES SUPPORTED/NOT SUPPORTED

PROTOCOL SERVICE	SUPPORTED
Read	Yes
Write	Yes
Full Protocol (ENQ – Read/Write)	Yes
Simplified Protocol (No ENQ)	Yes
Tables	All Tables in range 1-255
Offset	All Offsets in the range 0 - 9999
Byte	Supported
Int	Supported
Swap_Int	Supported
1 Byte BCD Encoded	Supported
2 Byte BCD Encoded	Supported
4 Byte BCD Encoded	Supported
Word	Supported

## CUSTOMER SUPPORT

Satchnet SNP Driver for FieldServer was developed by Chipkin, and we are proud to provide support for our products. For technical support, sales and customer service, please call us at 1 (866) 383-1657.

Thanks for choosing Chipkin's products and integration services to meet your building and industrial automation requirements!

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## REVISION HISTORY

DATE	RESP.	DRIVER VERSION	DOCUMENT REVISION	COMMENTS
Mar 2019	PMC	9.00	0	Created
16 Jun 2021	YC	9.00	1	Updated to latest template