

Multi-point Fast-poll Leased Line Modem for Utility, SCADA and Industrial Communications

The Synxcom Fast-poll industrial grade leased line modem is the highest performance point-to-point and multi-point modem in the industry. It offers the fastest polling time of 17.4 ms (RTS-CTS delay) over voice-band leased line or private line circuits.

The multi-speed SM19202FP Fast-poll modem is now offered in desk-top, DIN rail mounting, or rack-mount configurations. The modem is ideal for multi-point communication applications including SCADA systems, RTUs, traffic monitor and control, and industrial automation networks. The SM19202FP supports RTUs with an EIA RS-232 and RS-485 serial port at speeds of 19200, 9600, 4800, 2400, and 0-1800 bps.

The SM19202FP Fast Poll modem is designed to operate over 4-wire full duplex or 2-wire half duplex unconditioned leased lines or private metallic circuits. For optimum performance, the modem employs QAM modulation, Viterbi coding scheme and FSK modulations to communicate over a variety of transmission lines.



Key Features

Multi-Speed Support:

SM19202FP: 19200/9600/4800/2400/0-1800 bps

SM96202FP: 9600/4800/2400/0-1800 bps

Bell 202T (FSK) Mode: 0-1800 bps

ITU V.23 (FSK) Mode: 0-1200 bps

17.4 ms or 23 ms training (RTS-CTS) delay

Fully compatible with DSP9612FP

DTE/RTU Interface:

RS-232 with full control signals

RS-232 with 3-wire only interface (TD, RD, SG)

RS-485 4-wire FD or 2-wire HD

Auto RTS to support multi-drop applications

Leased Line Interface:

TELCO voice-band leased line, 2- or 4-wire

Private line or metallic circuits (19-26 AWG)

Cable equalizer to extend operating distance

Ideal "Limited Distance Modem" over unloaded cables

RF or Radio Link Support:

Provides Key-On (Push-to-talk) control for operation over RF or Radio links communications

Enclosure and Mounting Options

Desk-top version (5.0"W x 6.75"D x 1.3"H)

DIN Rail Mounting version (1.6" Wide)

Wall Mount or Panel mount option

Rack mount plug-in card (RM16M) format factor

AC or DC Power Supply Support

100-240 VAC 50 or 60 Hz

100-400 VDC option

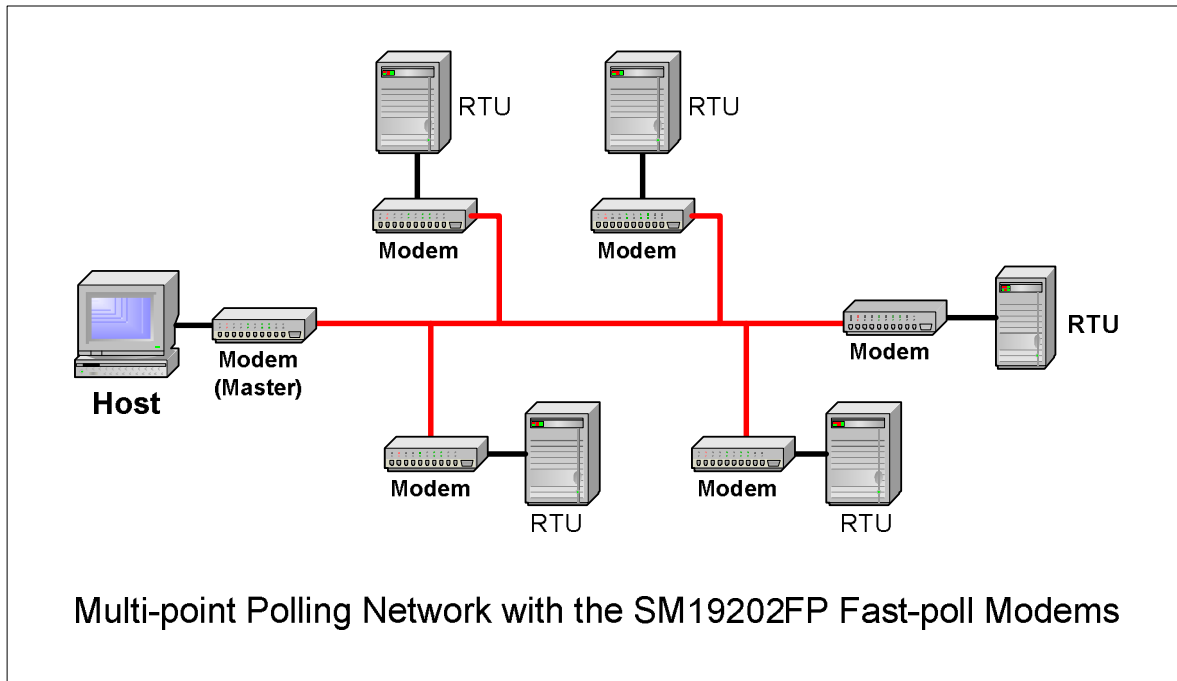
10 to 60 VDC, direct input, 1500VDC isolated

Low power consumption: 1.8 watts (active)

Industrial Grade Environment

Industrial grade components and metal enclosure

Operating temperature from -40 to +85C



Ordering Information

SM19202FP Series (Speed up to 19200 bps)



Standalone Desk-top Model Numbers:

SM19202FP:	AC Power (100-240V)
SM19202FP-LV:	10 – 60 VDC input power
SM19202FP-HDC:	100-400 VDC input power
SM19202FP-RM:	Plug-in Module for RM16M
EN3KIT-DIN:	DIN Mount Kit (for desk-top)
EN3KIT-WMB:	Wall or Panel mounting kit

DIN RAIL Mounting Model Numbers:

SM19202FP-DIN:	AC Power (100-240V)
SM19202FP-LV-DIN:	10 – 60 VDC input power
SM19202FP-HDC-DIN:	100-400 VDC input power

SM96202FP Series (Speed up to 9600 bps)



Standalone Desk-top Model Numbers:

SM96202FP:	AC Power (100-240V)
SM96202FP-LV:	10 – 60 VDC input power
SM96202FP-HDC:	100-400 VDC input power
SM96202FP-RM:	Plug-in Module for RM16M
EN3KIT-DIN:	DIN Mount Kit (for desk-top)
EN3KIT-WMB:	Wall or Panel mounting kit

DIN RAIL Mounting Model Numbers:

SM96202FP-DIN:	AC Power (100-240V)
SM96202FP-LV-DIN:	10 – 60 VDC input power
SM96202FP-HDC-DIN:	100-400 VDC input power