Industrial Data Communication Applications Interfacing with Siemens Equipment
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- Member of Siemens Strategic Alliance Program
- Seamless interface with Siemens S-7 Series PLCs as well as S5, and Siemens/Simatic 505 Series (525 through 575) PLCs
- Supports WinCC and SINAUT connectivity
- License-free, frequency hopping spread spectrum radio modems
- Factory preconfigured for easy installation
- Reliable, worry-free data communication—even in harsh environments

Introduction
Data-Linc Group designs and manufactures industrial data communication devices. Data-Linc Group is dedicated to providing the broadest line of superior quality, high performance modems, data communications peripherals and systems for any industrial application—including harsh environments that require extended operating temperatures.

Industries
Data-Linc Group products have been successful in providing continuous data communication in water/wastewater, utility/power, oil/petrochemical, mining/quarrying, transportation, stone/aggregate, cement/concrete, pulp/paper, food, material handling, bio-pharmaceutical industries and other markets.

Application Engineering
Data-Linc Group provides unsurpassed application engineering and customer service. Data-Linc Group application engineers provide comprehensive requirements analysis to recommend the best data communication solution possible. Because of this in-depth analysis, Data-Linc Group can custom preconfigure each modem and cable to ensure fast and convenient installation.

Data-Linc Group technical services staff provide unlimited support to ensure complete customer satisfaction. Data-Linc Group can often simulate PLC communication anomalies in their fully equipped support lab to provide fast and easy answers to data communication problems.

Compatibility
Data-Linc modems are ideal for all Siemens PLC Processors, including Siemens S-5, S-7, Siemens/SIMATIC 505 Series (525 through 575), and WinCC and SINAUT connectivity.
Data-Linc SRM6000 Wireless Data Communications Interfacing with Siemens SINAUT System

Step 7 WorkStation

ST7CC Tele-Control Station

MPI Network

TIM 4 Tele-control Interface module

SRM6000 Master

SINAUT & Data-Linc Group wireless SRM6000 serial network

SRM6000 Remote

Remote Station #1

Remote Station #2

Remote Station #3
Data-Linc Wireless Serial Modems and Modbus Communications
Multi-Tier, Multi-Drop Polling of Siemens S7-400, CPS40 or CPS41

CP340 or CP341
Siemens S7-300 (or 400*)

SRM6000 Remote 1

CP340 or CP341

SRM6000 Remote 2

CP340 or CP341
Siemens S7-300 (or 400*)

SRM6000 Master

CP340 or CP341

SRM6000 Remote 3

*S7-400 Modbus Modules for CP440 or CP441
Data-Linc Group Wireless SRM6000 Modem Interfacing with Siemens S7 in Multi-Drop Application

Additional Stations

Freeport Mode (4-word Simple Protocol) Siemens S7 Micro

Remote polling of Siemens S7 Micros using RS232 and Data-Linc AE-485

Half/Full Duplex
Up to 115.2 Kbaud (Uncompressed)

Additional Stations

SRM6000 Remote

Data-Linc Group Wireless SRM6000 Modem

Remote polling of Siemens S7 Micros using RS232 and Data-Linc AE-485

Siemens Simatic 545 with FIM Module

Data-Linc RS232 cable
Data-Linc Group SRM6200E Wireless Ethernet Data Communications Interfacing with Siemens WinCC Connectivity

**Corporate Office**
- SRM6200E Master
- Ethernet Interface: TCP/IP, 10Base-T
- Office Server

**Remote Location**
- Manufacturing Process Control
  - Siemens S7-300 PLCs (Plant Floor)
- Plant Server
- PC with WinCC package controlling manufacturing process

**Internet**
- Connection between Corporate Office and Remote Location

**Connections**
- SRM6200E Remote
- PC with WinCC Web Navigator
Data-Linc Group Wireless Ethernet Modems
Interfacing with Siemens S7 PLCs

CP343-1 Module
TCP/IP Comm Port

Siemens S7 PLC
(A)

CAT-5 Ethernet
Crossover Patch Cord

SRM6200E
Master

120 VAC to 12 VDC, 800 mA
Power Transformer

Omni-Directional
External Antenna
10 to 200 ft coax available

CP343-1 Module
TCP/IP Comm Port

Siemens S7 PLC

CAT-5 Ethernet
Crossover Patch Cord

SRM6200E
Remote

CP343-1 Module
TCP/IP Comm Port

SRM6200E
Remote

Siemens S7 PLC (B)
Data-Linc Group Dial-Up Data Communications Interfacing with Siemens SINAUT System

MPI Network

Step 7 WorkStation

ST7CC Tele-Control Station

SINAUT & Data-Linc Group DLM4000 dial-up network

TIM 4 Tele-control Interface module

DLM4000 Dial-Up Modem Master

Remote Station #1

Remote Station #2

Remote Station #3

Modicon A120

MODICON

TSX Compact

Telemechanique

Remote Station #1

Remote Station #2

Remote Station #3
Data-Linc Group MDL500 FSK Wireline Modems and Siemens S5 in Multi-Drop Application

Remote Polling of 90, 95, 100 and 115U PLC Processors from Master 115U PLC

Siemens S5 SIMATIC

Half/Full Duplex 9600 Baud Data Transmission Line

Any two conductor wire 22 gauge or larger up to 25K ft long

Master Current Loop to RS232 Converter (6ES5-734-1BD00)
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