with up to eight different handshakes, on each line card. Digital Signal Processing (DSP) increases the speed, accuracy and flexibility of each line card to allow the processing of a greater number of communication formats.

The PSTN line cards – SG-DRL4-2L – use a number of patented technologies to help decrease online time, including ANI and DNIS reception, Automatic Handshake Selection (AHS) technology and advanced two-way audio integration.

The IP line cards – SG-DRL4-IP – support up to 512 supervised and up to 3072 total DSC IP Communicators (Ethernet or GSM). Using a license key, each line card capacity can be doubled to handle 1024 supervised and up to 6144 total DSC IP Communicators.

Output ports connect to the peripherals you need, such as printers and/or computers – and to the automation software. With built-in redundancy for power and auto-switching between the linked systems, performance is assured.

Ordering Information

Main Hardware

Part No.	Description
SG-SIVBASE	Contains SG-MLRF4, SG-CPM4, SG-PSC3, SG-DC/DC3, and SG-PSU3
SG-SIVEXP	Contains SG-MLRF4, SG-SIIIINT, and SG-DC/DC3
SG-SIVREDUN	Contains SG-CPM4, SG-PSC3, SG-DC/DC3 X 2, SG-PSU3
SG-DRL4-IP	High Density IP Line Card for SG-System IV
SG-DRL4-2L	Dual Phone Line Card for standard PSTN Alarm traffic
SG-SYS4-HUB	High Speed Ethernet Backplane for SG-System IV
SG-BP3X	Centronics to RJ11Adaptor

Upgrade License Keys

SG-CPM4-250KAHS	License key to expand AHS table by 250,000 entries
SG-DRL43072IP	License key to expand amount of IP communicators by 3072

Spare Parts

SG-PSC3	Power Supply Controller
SG-DC/DC3	DC Voltage converter
SG-PSU3	Power Supply Unit
SG-MLRF4	System IV Metal Rack
SG-SIII-INT	Interconnect Kit
SG-CPM4	Central Processing Module for SG-System IV

Specifications

DIMENSIONS	
SG-MLRF4	19" x 3.5" x 12.24" (38 cm x 9 cm x 31.1 cm) 4 U NOTE: Uses standard 19" rack
SG-SYS4-HUB	17.8" x 1.7" x 8.1" (44 cm x 4.3 cm x 20.5 cm) 1 U NOTE: Uses standard 19" rack

WEIGHT	
SG-MLRF4	8.2 lbs (3.7 kg)
SG-SYS4-HUB	7.0 lbs (3.2 kg)

INPUT VOLTAGE	
SG-MLRF4	110/220 VAC, 50/60 Hz, 2.5 A (Max) 25W max.
SG-SYS4-HUB	100-240VAC/50-60 Hz, 0.175 A (Max) 21W max.
Battery backup	External UPS (not supplied)
Operating Environment	32 – 122 °F (0 – 50 °C) 90%, non-condensing
Built-in connectors	- Parallel printer port - Serial RS-232 port COM 1: connects to Automation Software (used by monitoring station) - Serial RS-232 port COM 2: connects to external serial printer or PC to view/print events - Ethernet: RJ45 modular jack for 10/100Base T automation output
Compatible communication formats *(NOTE: For a complete list, contact Sur-Gard)*	Up to 120, including: 10-40 baud, 3/1, 4/2 checksum, 3/1,4/1, 4/1 ext. 4/1 or 3/2, 4/2, Express, Acron, Adcor, Ademco Express, Ademco High Speed, Ademco Super Fast, BFSK, Contact ID, FBI Super Fast, ITI, Modem IIIa2, Modem II, IIA, IIB, IIE, Sescoa Super Speed, SIA 20, SIA 8, SIA I, SIA II, SIA III, SK FSK 1, SK FSK 2, Sur-Gard 4/2, 4/3
Line card capacity	Up to 24 line cards (IP or PSTN) in any combination
Line card - PSTN (SG-DRL4-2L)	- Up to 2 lines/card - Up to 64 different profiles/card with up to eight different handshakes/profile - Software upgrades via 'flash' download - 256-event memory buffer/card
Line card - IP (SG-DRL4-IP)	- Up to 64 different profiles/card with up to eight different handshakes/profile - 256-event memory buffer/card - 128-bit AES encryption - Anti-hack design - Compatibility with all DSC IP Alarm Communicators (GPRS or Ethernet) - UL AA High-Line Security and ULC Level 3/4/5 listed - FIPS/NIST listed
Visual display	Menu-driven 1/4 VGA display
Incoming line identification	ANI (to identify the calling control panel) and DNIS (to identify and store the profile (receiver type) of the incoming calls) reception or standard Bellcore Caller ID
Certification	FCC Part 15 Radiated/Conducted emissions ACTA TIA-968B (FCC Part 68) Telecom UL/ULC Central Station Fire (UL 864/ULC-S559) UL/ULC Central Station Burglary Alarm Units (UL 1610/ULC-S304) CE Compliant (ETSI ES203021-1, -2, -3), EN60950-1 Safety, EN50130-4 EMI, EN61000-6-3 Class B Radiated/Conducted Emissions) CSFM (California State Fire Marshall) 7300-1273: 125

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