

SpectraComm Standalone Enclosures



Shown with an installed SpectraComm device

Features & Benefits

- Low profile, compact design ensures low emissions.
- Easy too-free installation and removal of product card via the front panel slot, without powering down the enclosure.
- Modular design can house any compatible single-width SpectraComm/UAS product card
- Four models of enclosures accommodate the specific power requirements of the installed product card or customer site.
- 8 watts, max total power dissipation in the enclosure.
- Rear connector panel provides three 8-pin modular jacks (two line interface ports and one craft port) and one DB25F (DTE) connector.
- Supports TIA/EIA-232F, V.35, RS-530 or X.21 interfaces as required by installed product card.

Connectivity

Connections to all external devices are made via standard connectors at the card front panel and the enclosure rear panel. The enclosure's rear connector panel provides integrated TIA/EIA-232F, V.35, or EIA-530 interfaces that are used as needed by the installed SpectraComm blade.

SpectraComm enclosures also provide local test and configuration connectivity via a rear panel craft port for those SpectraComm blades that support a front or rear panel craft interface.

Introduction

SpectraComm Standalone Enclosures are designed to hold one single-width SpectraComm or UAS product card in non-NEBS applications. AC or DC versions of the enclosure accommodate the specific power requirements of the installed product card or customer site. Enclosure dimensions are 2.0 inches high by 10.5 inches wide, 10.5 inches deep (50.8 mm x 266.7 mm x 266.7 mm).

SpectraComm enclosures are typically deployed at remote customer premises that require management from master devices, in-band SNMP management, or TEAM management from a central site.

Enclosure Models

There are four models of SpectraComm enclosures, each intended for specific power requirements of the installed product card or customer site:

The SC1001 is the original SpectraComm AC-powered enclosure intended for most single-width SpectraComm or UAS product card applications. It comes equipped from the factory with an external 115 VAC wall-mount power transformer and power cord, or 220 VAC desktop transformer (customer-supplied cord).

The RA1000 is the new SpectraComm AC-powered enclosure intended for all compatible single-width SpectraComm or UAS product card applications. It comes equipped from the factory with an internal 100-240 VAC auto-ranging power supply and a domestic power cord.

The SC1002 and SC1012 are DC-powered enclosures intended for all compatible single-width SpectraComm or UAS product card applications. The enclosures provide a DC entry terminal block for direct connection to the power source on site. The SC1002 model is intended for use in +24/-48VDC applications; the SC1012 is intended for use in +12 VDC applications.

SpectraComm Enclosures

Enclosures with SC/UAS Product Cards (*Partial List*)

SC 1001 Assy	RA 1000 Assy	SC1002 Assy	SC1012 Assy	Installed Product Card	Documentation
053A006-001		053A006-006		SC 202 Modem	073R150-000
060A012-001		060A012-006		SC V.F 28.8/33.6 ADR Modem	060R112-000
060A012-011		060A012-016		SC V.F 28.8/33.6 Dial Modem	
060A012-411		060A012-416		SC V.34 Dial Backup Unit	
060A012-511		060A012-516		SC V.34 4-Port Modem	
060A027-001		060A027-006		SC Dual V.34 Modem	060R122-000
048A050-111		048A050-116	048A050-212	SC 500A DSU	048R302-000
048A054-111		048A054-116	048A054-212	SC 500A DSU with DRA	
048A054-121		048A054-126	048A054-312	SC 500A DSU with 530 Interface	
060A018-011		060A018-016		SC 521A DSU	076R152-000
060A018-111		060A018-116		SC 521A DSU with 530 Interface	
060A018-131		060A018-136		SC 521A DSU with DRA	
060A028-001		060A028-006		SC 521A/S DSU	
060A028-111		060A028-116		SC 521A/S DSU with 530 Interface	
060A028-131		060A028-136		SC 521A/S DSU with DRA	
060A016-001		060A016-006		SC 553 T1/FT1 DSU	
060A016-101		060A016-106		SC 553 DSU with Cascade	076R155-000
060A016-111		060A016-116		SC 553 DSU with 530 Interface	
060A016-121		060A016-126		SC 553 DSU with Cascade/530 Interface	
060A015-001		060A015-006		SC 800 T3 DSU	076R160-000
076A032-001		076A032-006	076A032-212	SC-IP T1 Router	076R200-000
076A032-011		076A032-016		SC-IP T1 Router with V.34 Modem	
076A032-021		076A032-026		SC-IP E1 Router	076R201-000
076A032-031		076A032-036		SC-IP E1 Router with V.34 Modem	
076A034-021		076A034-026		SC-IP DSL Router (1 loop)	
076A034-031		076A034-036		SC-IP DSL Router with V.34 Modem (1 loop)	076R202-000
076A034-001		076A034-006		SC-IP DSL Router (2 loops)	
076A034-011		076A034-016		SC-IP DSL Router with V.34 Modem (2 loops)	
076A034-111		076A034-113	076A034-212	SC-IP DSL.bis Router	076R203-000
076A033-001		076A033-006	076A033-212	SC-ES 9-Port Ethernet Switch	076R204-000
076A032-201		076A032-206	076A032-312	SC-MR1 Mini Router	076R206-000
<i>Not Fully Supported in SC1001 Enclosure</i>	076A046-003	076A046-008	076A046-212	SC-ADT 8-port Async Data Transport	076R172-000
	076A046-013	076A046-018	076A046-312	SC-ADT 8-port Async Data Transport (1 mdm)	
	076A046-023	076A046-028	076A046-412	SC-ADT 8-port Async Data Transport (2 mdm)	
	076A046-001	076A046-006	076A046-512	SC-ADT 16-port Async Data Transport	
	076A046-011	076A046-016	076A046-612	SC-ADT 16-port Async Data Transport (1 mdm)	
	076A046-021	076A046-026	076A046-712	SC-ADT 16-port Async Data Transport (2 mdm)	
076A048-001		076A048-006	076A048-212	SC-SDT Synchronous Data Transport	076R174-000
048A124-001		048A124-006		UAS 611	072R120-000
073A300-001		073A300-006		UAS 701-T2	073R124-000
073A215-001		073A215-006		UAS 711-D2	073R121-000

Note: The SC1001 standalone enclosure may not adequately power SC-ADT 8-/16-port assemblies that employ plug-in modem(s). In those applications, use the RA1000 (AC), SC1002 (DC) or SC1012 (DC) enclosure for full support of the plug-in modems.

SpectraComm Enclosures

Physical Characteristics

Blade Capacity: One slot accepts one single-width SpectraComm, Innovx, or UAS network access blades.

Height: 2.0 in. (50.8 mm)

Width: 10.5 in. (266.7 mm)

Depth: 10.5 in. (266.7 mm)

Weight: 4 lbs 10.4 oz (2.1 kg.) without blade

Environmental Specifications

Non-operating Temp: -40 deg. to 158 deg. F (-40 deg. to 70 deg. C)
Non-operating Altitude: 0 ft. to +40,000 ft. (0 m to +12,191 m)

Operating Temp: 32 deg. to 122 deg. F (0 deg. to 50 deg. C)

Relative Humidity: 5% - 95% non-condensing

Operating Altitude: 0 ft. to +10,000 ft. (0 m to +3048 m)
(Derate by 1 deg. C/1000 ft. above sea level.)

Compliance & Compatibility

Safety: UL Approved

EMI: FCC Part 15 Approved

Quality Assurance: ISO 9001: 2000 Certified

Physical Interfaces

Network Interface: Two RJ45 modular connectors (two per slot)

Business Equip (DTE) One DB25 female EIA/TIA-232-E/V.24 connectors (one per slot)

Craft (Term) Port: One RJ45 8-pin modular connectors (one per slot for capable blades)

Power Specifications

SC 1001 Enclosure (AC Power)

115 VAC Wallmount Transformer:

Input: 105 - 125 VAC 0.11 amps max, 60 Hz

Output: 19 VAC CT 0.6 amp

220 VAC Desktop Transformer

Input: 210 - 230 VAC 0.11 amps max, 50 - 60 Hz

Output: 19 VAC CT 0.6 amp

RA 1000 Enclosure (AC Power)

Power Supply:

Input: 100 - 240 VAC 1.0 amps max, 50-60 Hz

Output: 5 VDC 2.0 amps; +12 VDC 1.0 amp, -12 VDC 0.2 amp

SC 1002 Enclosure (DC Power)

Power Supply

Input: +24 VDC 0.33 amp, -48 VDC 0.17 amp max

SC 1012 Enclosure (DC Power)

Power Supply

Input: +10 to +18 VDC 1.1 amp

