DSX-3 BCS II Broadband Connectivity System II

Overview

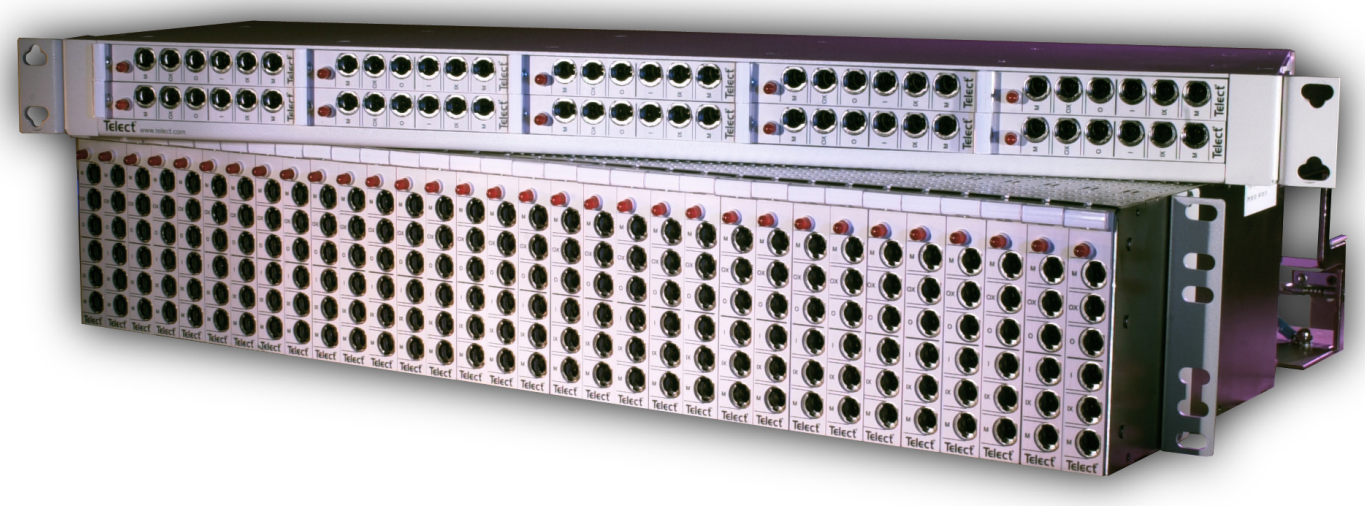
Build versatility, efficiency and reliability into your network with the Broadband Connectivity System II (BCS II), the unique modular solution for DS3 connectivity. The cost-effective BCS II offers the optimum blend of high density (up to 32 T3/E3s in 23x4-inch chassis), cable management, and advanced functionality.

Applications

- High-density central office bays
- Compact horizontal chassis for remote sites
- Point-to-point DS3 extension
- Enterprise networks

Primary Benefits

- Integrated platform:
  - — Traditional DSX-3 connectivity and versatile active functionality (repeaters, optical transport) in a single space-saving chassis.
- Patented technology:
  - — PCB technology makes the BCS II a more reliable connectivity solution than traditional coax systems, while significantly decreasing overall weight.
- Unique versatility:
  - — Only the BCS II offers such a comprehensive range of chassis options, with dynamic modules that include the 6-port DSX-3 and Vector Optical Transport.
- Cost-effective, dynamic functionality:
  - — 6-port, 4-port and 3-port DSX-3 modules
  - — Simplex and duplex repeater modules
  - — Optical transport modules
  - — Pre-wireable backplane
- Chassis options:
  - — 19-inch 24-termination
  - — 23-inch 32-termination
  - — 23-inch 24-termination
  - — 19-inch 8-termination horizontal
  - — 23-inch 10-termination horizontal
- Backed by Telect's lifetime warranty



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DSX-3 BCS II Broadband Connectivity System II

DSX-3 Jack Specifications

Electrical

Insertion loss	Less than or equal to 0.30 dB at DS3 signal rates for assemblies that do not include a monitor network Less than or equal to 1.00 dB at DS3 signal rates for assemblies that include a single monitor network
Monitor level	21 dB +/-1.5 dB below signal level
Return loss	Less than or equal to -26 dB at DS3, STS-1, and E3 signal rates
Contact Resistance	Less than or equal to 0.01 ohms
Characteristic Impedance	75 ohms

Mechanical

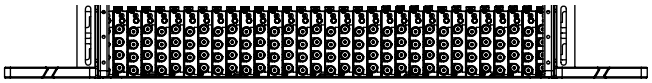
Insertion Force	10 lb (4.6 kg) maximum
Withdrawal Force	7 lb (3.2 kg) maximum
Life	Minimum 10,000 insertion/withdrawal cycles

Environmental

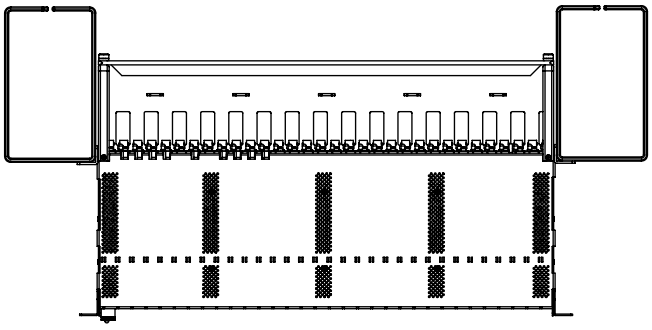
Thermal Limits non-operating	-67 to 185°F (-55 to 85°C) operating and
Thermal Shock	Per MIL-STD-202, method 107D
Humidity	0% to 95% operating and non-operating

Agency Testing NEBS level 3

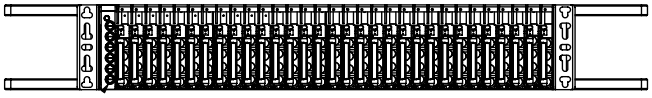
Chassis Dimensions 23.00 in W x 4.00 in H x 12.00 in D (58.42 cm x 10.16 cm x 30.48 cm)



Rear View



Top View



Front View

010-0000-3201BCS shown

Ordering Information

Description	Part Number
Traditional Vertical Chassis	
19-inch/24-termination	010-0000-2401BCS
23-inch/24-termination	010-0000-1401BCS
23-inch/32-termination	010-0000-3201BCS
1RU Horizontal Chassis	
19-inch/8-termination	010-0000-0471BCS
23-inch/10-termination	010-0000-1471BCS
DSX-3 Modules	
6-port, mini-WECO jacks	010-3201-0410
4-port, mini-WECO jacks	010-3201-0401
3-port, mini-WECO jacks	010-3201-0407
Vector Optical Transport Modules	
Multimode ST	710-3201-1001-U
Multimode SC	710-3201-1002-U
Single mode ST	710-3201-2001-U
Single mode SC	710-3201-2002-U
Active Modules	
Simplex repeater	710-3201-0002
Duplex repeater	710-3201-0005
Loaded DSX-3 Panels	
19-inch/24-position, 4-port modules	010-3224-1902
19-inch/24-position, 3-port modules	010-3224-1903
23-inch/24-position, 6-port modules	010-3224-0001
23-inch/32-position, 6-port modules	010-3232-0001
23-inch/32-position, 4-port modules	010-3232-0002
23-inch/32-position, 3-port modules	010-3232-0003
Interconnect Chassis & Modules	
19-inch/24-termination chassis	010-0000-0402BCS
23-inch/32-termination chassis	010-0000-1402BCS
6-Port module, mini-WECO jacks	010-3201-0402
Accessories	
DS3 Cross-connect jumpers	Multiple configurations, contact Telect for details

Telect's Network Engineering Services can configure custom bays and systems to meet your specific needs. Contact Telect for more information.

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