

SDU/DS3

Service Delivery Unit - Pseudowire Solutions



General

Data Rate	
SDU-16	16 X E1/T1
SDU-DS3	2 x DS3 44.736Mbps
Receiver Range	
SDU-16	0 to 36 dB loss
SDU-DS3	1000 feet cable with 12dB cable attenuation.
Clock Mode	
SDU-16	Recovered from PSN, and BITS
SDU-DS3	BITS, and tributary timing
Loopback	
SDU-16	T1/E1 Port Loopback
SDU-DS3	DS3 Loopback/Tributary Loopback
Encoding/Decoding	
SDU-16	B8ZS, AMI or HDB3
SDU-DS3	B3ZS/HDB3
Line Buildout	
SDU-16	0-110ft, 111-220ft, 221-330ft, 331-440ft, 441-550f, 551-660ft, 75 ohm, 120 ohm
SDU-DS3	0dB/250ft, 12dB/450ft
Latency	
SDU-16	Variable < 3 mSec
SDU-DS3	Variable < 3 mSec
Buffer Size	
SDU-16	User Programmable (0.5-30 msec)
SDU-DS3	User Programmable (0.5-30 msec)
Timing Recovery	
SDU-16	H.823 compliant stratum 3 performance
SDU-DS3	H.823 compliant stratum 3 performance

Mechanical

Dimensions	
SDU-16	24 cm x 14.4 cm x 4 cm 10 in x 5.6 in x 1.6 in
SDU-DS3	24 cm x 14.4 cm x 4 cm 10 in x 5.6 in x 1.6 in
Weight	
SDU-16	(1.0 kg); 2.3 lbs
SDU-DS3	(1.0Kg) 2.3 lbs

Connections

Input Power	
SDU-16	100-240 VAC, 24/48 VDC Dual Feed
SDU-DS3	100-240 VAC, 24/48 VDC Dual Feed
TDM	
SDU-16	16XE1/T1 ports
SDU-DS3	2 x DS3 Ports
Ethernet (In/Out)	
SDU-DS3	2 x 100/1000 BaseT Wirespeed full duplex (IEEE 802.3 compliant)
SDU-16	6X100/1000 BaseT ports (2 Optional as Optical)

Environmental

Operating Temp	
	Minimum: 0°C, 32° F Maximum: 50° C, 122°F
Storage Temp	
	Minimum: -40°C, -40°F Maximum: 85°C, 185°F Minimum: 0 % Maximum 95 %
Humidity	
Altitude	
	Minimum: 400 m bsl, 1312 ft Maximum: 4500 m asl, 14,760 ft
Heat Dissipation:	
	27 Watts

Alarms

SDU-DS3	LOS (Loss of Signal) AIS (Alarm Indication Signal) LOF (Loss of Frame) RAI (Remote Alarm Indication) Buffer underrun Buffer overrun
SDU-16	LOS (Loss of Signal) AIS (Alarm Indication Signal) LOF (Loss of Frame) RAI (Remote Alarm Indication) Buffer underrun Buffer overrun

Management/System

Type	
SDU-16	Command Line Interface, SNMP 1/2
SDU-DS3	Command Line Interface, SNMP 1/2
Interfaces	
SDU-16	RS 232 Craft Port, 10/100/1000 BaseT port
SDU-DS3	RS 232 Craft Port, 10/100/1000 BaseT port
Statistics	
SDU-16	T1/E1 PMON and logging
SDU-DS3	DS3 PMON
Ethernet Capabilities	
SDU-16	VLAN Support (Trunk and Access) QoS support (802.1p, 802.1q) 8023.ah, 802.1ag Support Fast 1+1 Switching (50ms)
SDU-DS3	VLAN Support (Trunk and Access) QoS support (802.1p, 802.1q) Unit Redundancy Support system
System	
SDU-16	Remote Software upgrade through telnet
SDU-DS3	Remote Software upgrade through telnet



DragonWave

Connect with us today!

600-411 Legget Drive
Ottawa, Ontario, Canada, K2K 3C9
Tel: 613-599-9991 | Fax: 613-599-4225
nasales@dragonwaveinc.com
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www.dragonwaveinc.com