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Refurbished CISCO 15305-DC Datasheet

CISCO > OPTICAL-NETWORKING

Cisco ONS 15300 Series

Optical Interfaces

Description	Specification
Compliance	ITU-T G.707 - Optical line signal ITU-T G.783 - Rx pull in and hold range ITU-T G.813 - Output jitter ITU-T G.825 & G.958 - Input jitter ITU-T G.957 - Transmission
S1.1 optical interface	Source type: Laser diode Wavelength: 1261-1360 nm Modulation: 155,520 kbps Transmit power: -8 dBm maximum, -15 dBm minimum Receiver: -28 dBm sensitivity (BER < 1 in 1010)/-8 dBm overload Connectors: LC
S4.1 optical interface	Source type: Laser diode Wavelength: 1293-1334 nm/1274-1356 nm Modulation: 622,080 kbps Transmit power: -8 dBm maximum -15 dBm minimum Receiver: -28 dBm sensitivity (BER < 1 in 1010)/-8 dBm overload Connectors: LC
L4.2 optical interface	Source type: Laser diode Wavelength: 1480-1580 nm Modulation: 622,080 kbps Transmit power: +2 dBm maximum, -3 dBm minimum Receiver: -28 dBm sensitivity (BER < 1 in 1010)/-8 dBm overload Connectors: LC
L16.2 optical interface	Source type: Laser diode Wavelength: 1500-1580 nm Modulation: 2488,380 kbps Transmit power: +2 dBm maximum, -3 dBm minimum Receiver: -28 dBm sensitivity (BER < 1 in 1010)/-9 dBm overload Connectors: LC

Electrical Interfaces

Description	Specification
E1 - 8 x 2 Mbps G.703 and ISDN Primary Rate Access (PRA)	Bit rate: 2048 kbps ± 50 ppm Line code: HDB3 Input jitter: According to ITU-T G.823 Output jitter: According to ITU-T G.783 Termination: 120 ohms on RJ-45 connectors (75 ohms with external balun)
E1 - 63 x 2 Mbps and 21 x 2 Mbps G.703 and ISDN PRA	Bit rate: 2048 kbps ± 50 ppm Line code: HDB3 Input jitter: According to ITU-T G.823 Output jitter: According to ITU-T G.783 Termination: 120 ohms or 75 ohms on high-density patch panel
E3/DS3 G.703	Bit rate: 34 Mbps to 45 Mbps Input jitter: According to ITU-T G.823 Output jitter: According to ITU-T G.783 Termination: 75 ohm coaxial connector type 1.0/2.3

Data Interfaces

Description	Specification
Ethernet/LAN 10/100BASE-T	Compliance: According to IEEE 802.3 Connector: RJ-45 type
Gigabit Ethernet	Connector compliant with Cisco qualified IEEE 802.3z Small Form-Factor Pluggable (SFP) optics

Ethernet Features

Description	Specification
Ethernet Layer 2 switching	MAC switching Self-learning MAC addresses Static MAC entries Support of up to 24,000 MAC addresses Automatic aging for MAC addresses MAC multicast Supports up to 6144-byte frames Support for up to 9216-byte frames in Layer 1 mode Transparent bridging IEEE 802.1Q VLAN tagging 802.1q in 802.1q Layer 2 Control Protocol tunneling Head-of-line blocking prevention Back pressure and flow-control handling IGMP support Spanning Tree Protocol according to IEEE 802.1D I RSTP according to IEEE 802.1w Mirroring port EEE 802.1p priorities IEEE 802.3ad Link Aggregation
Ethernet over SDH transport	ITU-T G.7041 Generic Framing Procedure (GFP) ITU-T G.707 VCAT 10/100 Ethernet module: VC-12-Xv, X=1-50; VC-3-Xv, X=1-3, VC-4 Gigabit Ethernet module: VC-3-Xv, X=1-21; VC-4-Xv, X=1-7 ITU-T G.7042 Link Capacity Adjustment Scheme (LCAS)

Performance Monitoring

Description	Specification
Compliance	ITU-T G.826
MS/RS PM-STM-n	B1 near end, B2 near and far end
VC-3 and VC-4	B3 near and far end
VC-12	BIP-2 near and far end

Timing

Description	Specification
Sources	STM-n, 2048 kHz synchronization input, E1 tributary (PRA)
Output	2048-kHz synchronization output (output signal balance according to ETS 300 126)
Connector	One 8-pin RJ-45 for both input and output

External Alarm Ports

Description	Specification
Connector	One 9-pin D-type connector
Input	4 ports
Output	2 ports

Power

Description	Specification
DC power	-36 VDC to -72 VDC (-48 VDC nominal) Input: 120W Output: <105W

Safety and Environmental

Description	Specification
EMC	EN 55022 Class B and EN 50082-1
Safety	EN 60950 and EN 60825
Temperature	Thermal requirement: EN 60950 Operating temperature: (-5 to 45°C) according to ETS 300 019-1-3, Class 3.2 Storage: ETS 300 019-2-1, Class 1.1 Transport: ETS 300 019-2-2, Class 2.2

Network Management

Description	Specification
Craft tool	Cisco Transport Controller and Cisco Edge Craft
EMS	Cisco Transport Manager

Physical Dimensions

Description	Specification
H x W x D	43.6 x 445 x 280 mm (1 RU)
Weight	5 kg

The next steps...

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