

CTX Series

CTX6600 I/II/VI**1/2/5RU Chassis****Optical Transport platform****Overview**

CTX6600 is a highly scalable, flexible, a next generation compact optical transport platform that provides DWDM and CWDM in one unified platform and for converged Access, metro, regional applications, with this system, service providers can offer various bandwidth services using SDH/Sonet, Fiber Channel and/or Ethernet protocols, while aggregating all customer interfaces on to the metro network.

CTX6600 centrally managed platform, ranging from 1RU “pizza-box” to 5RU shelf, accepts plug-in board cards for transport and access, which provides transponder, xWDM Optical Multiplexer/De-multiplexer, optical amplification, tunable dispersion compensation, optical time domain reflectometer, optical performance monitor, and protection with relevant optical cards for total solutions, it supports a wide variety of protocols and data rates from 100Mbps to 200G per wavelength today and can scale to 400G and beyond.

In addition, It consists of a 5RU chassis for high density applications, a compact 2RU chassis for Medium density applications ,a 1RU chassis for low-density applications and one of the industries 2RU 100G offerings,It is modular and offers unmatched density.

CTX6600 platform is “pay-as-you-grow” model, these scalability options allow our customers to minimize their Early costs and truly scale the system as they benefit from it.



Figure 1:CTX6600I Chassis



Figure 2:CTX6600 II Chassis



Figure 3:CTX6600 V Chassis

Main Features

- Carrier Class Features
- Layer 1
- Multi-rate Transponders
- Muxponders for Wavelength Utilization
- Scale up to 80 wavelengths
- Amplifications over Long Distance
- Performance Monitoring
- Support Single or Dual Fiber
- Low Latency Connectivity
- Hot-Swappable Board Cards
- Multiple Protection Methods
- Hot Redundancy Power Supply and FAN
- Easy maintenance with field-replaceable parts
- Remote Management with in-band or out-band Optical Supervisory Channel
- EMS Management Platform

Specifications

Platform	CTX6600 I	CTX6600 II	CTX6600 V
Universal Slots	4	6 (AC Power) 7 (DC Power)	18 (AC Power) 19 (DC Power)
Management Card	SCC	SCC	SCCV
	Dedicated Slot 1	Dedicated Slot 1	Dedicated Slot 1, 2
Heat dissipation	N+1 Fan cooling, Left and right ventilation	N+1 Fan cooling, Left and right ventilation	N+1 Fan cooling, Left and right ventilation
Rack Unit	1RU	2RU	5RU
Dimension(HxWxD mm)	44x442x440	88x442x245	222xx442x245
Weight (kg, No Service Card)	5.5	15	32
Wavelength(MAX.)	DWDM: 80 channels CWDM:8 channels	DWDM: 80 channels CWDM:8 channels	DWDM: 80 channels CWDM:8 channels
Maximum Rate per wavelength	100G/200G	100G/200G	100G/200G
Rack mount	19'' Rack, ETSI 600	19'' Rack, ETSI 300/ETSI 600	19'' Rack, ETSI 300/ETSI 600
Power Input	Rear access, Dual Redundancy Power supplies, AC:85V ~ 264VAC or DC -48V	Front access, Dual Redundancy Power supplies, AC:85V ~ 264VAC or DC -48V	Front access, Dual Redundancy Power supplies, AC:85V ~ 264VAC or DC -48V
Power Consumption(Full load) W	200	225	450
Operating Temperature	-5 to 50°C	-5 to 50°C	-5 to 50°C
Storage Temperature	-20 to + 85°C	-20 to + 85°C	-20 to + 85°C
Humidity	10% ~ 90% non condensing	10% ~ 90% non condensing	10% ~ 90% non condensing
Compliance	NEBS, ETSI, RoHS 5/6	NEBS, ETSI, RoHS 5/6	NEBS, ETSI, RoHS 5/6

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