

## CTX Series

**SCCV****System Control Card****Main Features**

- Support in-band management through 2 optical supervisory channels (OSC) with hot pluggable SFP plugged in, default channel 1510nm CWDM, other channels of CWDM or DWDM optional, Manage hardware and network in a chassis via a dedicated bus and other network nodes via it
- Support out-of-band management through Ethernet port connected to IP network
- CLI, Telnet, SNMP and web-based management available
- Support GUI NMS Danriver iCEO B/S
- Used in CTX6600V chassis

**Description**

It is used to centrally control all line cards that are accepted by CTX6600 platform, with network management features. It has local craft interface and Ethernet based remote management interface, providing users to access network management functions.

It is recommended that all CTX6600V is equipped with the System Controller Card SCCV.

The System Controller Card SCCV is designed for mounting into the designated slot. They are used for element and network management and allow the user to configure and access various settings for all modules present in a chassis.

Furthermore a System Controller Card also runs the powerful network management software. It manages various hardware and network faults by continuously communicating with all modules in a chassis over a dedicated internal bus and with other nodes in the network over the supervisory channel.



Figure 1: SCCV System Control Card

**Hardware Feature**

- 2x1000BaseFx Fibre optics ports with SFP interface for OSC
- 2x10/100/1000MBaseTx Ethernet port
- 1x physical Type-C connector for local RS232 access

**Management Feature**

- Multiple management interfaces ( RJ45, OSC, Console)
- SNMP v2: with MIBs integrated into user's control center, user can configure and monitor remotely CTX and each of its line cards
- Danriver iCEO Graphic User Interface (GUI): With CTX6600 GUI user can manage remote systems by point and click.
- CLI Command Line Interface: this interface is just for debugging. it can be accessed either through local craft terminal (RS232) or via telnet using TCP/IP

## Technical Specifications

<b>Management Ports and Physical Interfaces</b>	
Out-of-band management port	1x Local RS232 Console port, Type-C
In-band management port	2 x 10/100MBase-T LAN port,RJ45
Reset Button	2 x OSC(OSC1,OSC2)
	1x RESET
<b>OSC</b>	
Density	2
Data rate	1000MBase-FX
Connector	Hot pluggable SFP module
Channel	Default 1510nm(CWDM), other channel optional
<b>Performance</b>	
Eye mask	Compliant ITU G.691, G.959.1, IEEE 802.3ae
Jitter Tolerance	Compliant GR-253, IEEE 802.3ae
Jitter Transfer	Compliant GR-253
<b>Network Management</b>	
Management Port	LAN, OSC, DEBUG(Console)
IP	IPv4
Management protocol	SNMPv2, tftp,HTTP
Management Application	NMS Danriver iCEO over SNMP web-based GUI
Visual Indicators	LED status for STAT, EPS, Link/Act, OSC Rx
Remote Soft upgrade	Traffic Hitless
Performance Monitoring	Optical Power Rx/Tx Level, link status, Error Count etc
OAM	Event logs Alarms
<b>Physical feature</b>	
Dimensions(HxWxD mm)	20x192x223
Weight (kg)	0.35
Package options	Plug-in Card
Platform	CTX6600V
Slot assignment	Dedicated Slot 1 and 2
<b>Environment</b>	
Operating Temperature	-5°C to 50°C
Storage	-20°C to 85°C
Humidity	5% ~ 85% RH non-condensing
<b>Power Supply</b>	
Power Input	DC -48V input from backplane
Power Consumption(with 2xOSC)	< 15
<b>Compliance</b>	
Standards	RoHS 5/6