

B2G5 STM-16/OC-48 Cards for HX9800

Features

- Up to 1 or 2 x STM-16/OC-48 per card
- STM-16/OC-48 mode software configurable
- 10Gbps backplane BW in Slots S3~S8
- TDM PW support, up to 2016 PWs (E1) or 2048 PWs (T1)
- Vertical MSP protection support on the same card
- Hot-swappable
- RoHS compliant

Description

The B2G5 plug-in modules are also known as STM-16 and OC-48 interface cards. The cards are hot-swappable and can be installed on the G7800 chassis for SDH/SONET path cross-connection and transportation with or without MSP 1+1. The B2G5-1 plug-in module provides up to one STM-16/OC-48 channel per card while the B2G5-2 plug-in module provides up to two STM-16/OC-48 channels per card. Both cards can be installed on Slots S3~S8 on the HX9800 chassis.

The B2G5 plug-in modules can be configured to different modes to support different numbers of STM-16/OC-48, STM-4/OC-12, and STM-1/OC-3. This enables users to customize their cards depending on specific service needs. The card can support vertical MSP protection on the same card.

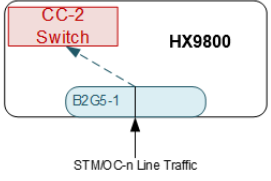
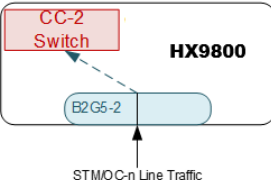
For TDM encapsulation technologies, B2G5 supports TDMoE, TDMoIP, and TDMoMPLS. For Circuit Emulation, B2G5-2 supports SAToP (Unframed E1/T1) and CEP (SDH/SONET paths). The capacity of a B2G5-1 module reaches up to one STM-16/OC-48 worth of TDM traffic while the capacity of a B2G5-2 module reaches up to two STM-16/OC-48 worth of TDM traffic.

Ordering Information

Note 1: RoHS compliant units are identified by the letter **G** appearing at the end of ordering code.

Note 2: Before purchasing, please check the HX9800 main brochure to see if the following models are supported by the controller to be used with.



Ordering Code	Description	Notes
HX9800-B2G5-1-LoSW410-a-G	Circuit Emulation for 1 x STM-16 or 2 x STM-4 or 2 x STM-1 Channelized Line Interface card, supporting Circuit Emulation for STM-n/OC-n traffic from physical Line to Switch Used in CC-2/CHA 10GE slots (S3~S8), it supports One STM-16 or One STM-4 or One STM-1 interfaces without SFP (mini-GBIC) optical module. The STM-n can be software configure as OC-3n for SONET application.	- Please order SFP optical modules separately. See separate SFP module brochure - STM-n where n can be 1/4/16 - OC-n where n can be 3/12/48  -
HX9800-B2G5-2-LoSW410-a-G	Circuit Emulation for 2 x STM-16 or 4 x STM-4 or 4 x STM-1 Channelized Line Interface card, supporting Circuit Emulation for STM-n/OC-n traffic from physical Line to Switch Used in CC-2/CHA 10GE slots (S3~S8), it supports Two STM-16 or Four STM-4 or Four STM-1 interfaces without SFP (mini-GBIC) optical module. The STM-n can be software configure as OC-3n for SONET application.	- Please order SFP optical modules separately. See separate SFP module brochure - STM-n where n can be 1/4/16 - OC-n where n can be 3/12/48  -

Accessories

SFP Optical Modules

Please place your order using the 5-digit alphanumeric codes listed in the separate SFP Optical Module Brochure.

B2G5 Interface Card Product Specifications

Compatibility

HX9800-CHA Chassis / CC-2 Controller

B2G5-1 STM-16/OC-48 Interface

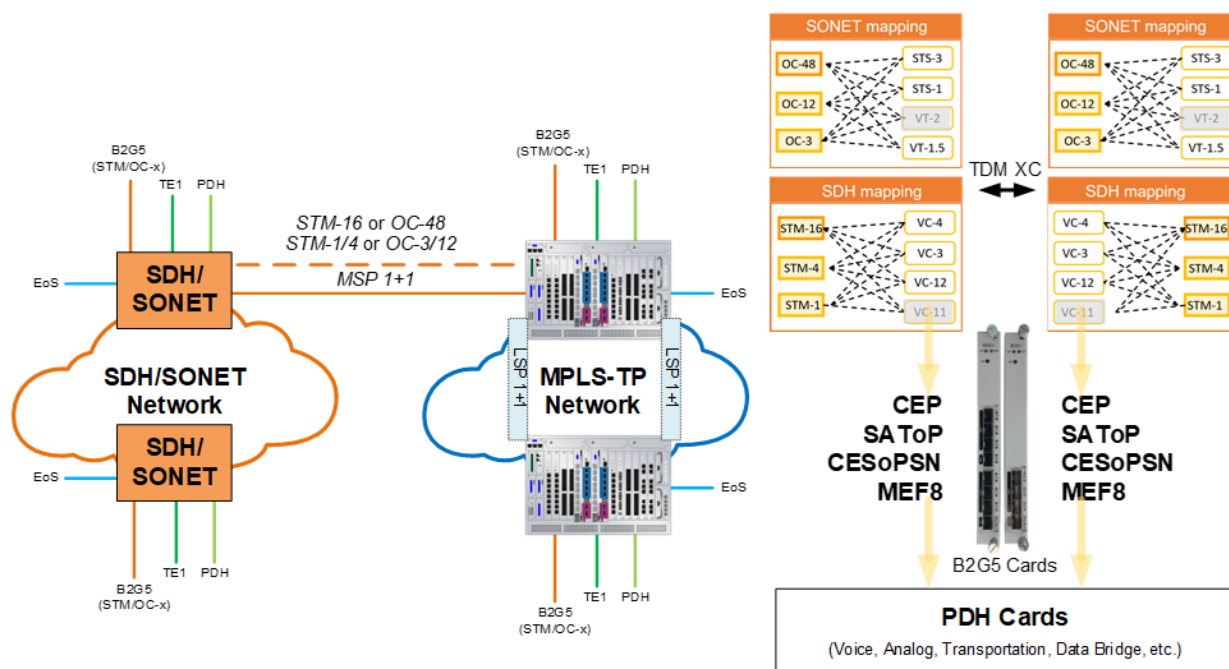
Data Ports	One STM-16 (OC-48) with or without MSP (1+1) protection on Port 1 & 3 STM-1/4 (OC-3/12) modes configurable
Data Rate	2.5Gbps
Line Code	NRZ CMI
Output Mask	ITU.G703
Jitter	ITU G.703
Circuit Emulation Protocols	CEP, SAToP, CES
Encapsulation	TDMoMPLS, TDMoIP, TDMoE
TDM Pseudowires	Up to 1008 (E1) or 1024 (T1)

B2G5-2 STM-16/OC-48 Interface

Data Ports	Two STM-16 (OC-48) with/without MSP (1+1) protection on Ports 1 & 5 STM-1/4 (OC-3/12) modes configurable (Ports 1/3/5/7)
Data Rate	2.5Gbps
Line Code	NRZ CMI
Output Mask	ITU.G703
Jitter	ITU G.703
Circuit Emulation Protocols	CEP, SAToP, CES
Encapsulation	TDMoMPLS, TDMoIP, TDMoE
TDM Pseudowires	Up to 2016 (E1) or 2048 (T1)

Application Illustrations

HX9800 Application with XCU card for SDH/SONET CES and B2G5 crd for TDM XC



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