

EoS Card for HX9800

Features

- Single-Slot interface card for HX800 (Slot 3~Slot 8)
- Ethernet over SDH/SONET (EoS) technology
- Virtual Concatenation (VCAT)
- Framing/Encapsulation
- GFP (G.7041)
- LAPS
- LCAS (G.7042) or non-LCAS
- Up to 9 x VCG for Ethernet Virtual Circuit (EVC) service types
- Handles up to 1 x STM-16 (OC-48) worth EoS traffic
- Hot-pluggable and software configurable
- RoHS compliant



Description

The EoS (Ethernet over SDH/SONET) plug-in card is designed to process up to one STM-16/OC-48 worth traffic from B2G5 card. It is specifically designed to transport Ethernet services over SDH/SONET networks. Bridged traffic is encapsulated in SDH/SONET frames via framing protocols (GFP-F or LAPS) and Virtual Concatenation (VCAT). Up to 9 VCGs for EVC service types can be configured on the EoS card.

It is designed for the single 10G slot of HX9800, and can be plugged into Slots 3~8 on the HX9800 chassis

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-EoS-CEPoSW41-a- G	EoS (Ethernet Over SDH/SONET) processing card for up to one STM-16/OC-48 worth traffic over CEP. The EoS over CEP traffic is groomed from either local or remote B2G5 card with CEP enabled. The Ethernet traffic can be tapped from any Ethernet UNI physical ports in the system or VPWS PW.	- Work in 10GE slots (S3~S8) only -

Product Specifications for EoS Card

WAN Transmission

Number of VCG	Up to 9 x VCG (Virtual Concatenation Group)
Max. Throughput	up to 1 x STM-16 (OC-48)
SDH/SONET Mapping	VC4/VC3/VC12/VC11 (STS3C/STS1/VT2/VT1.5)

Ethernet over SDH/SONET

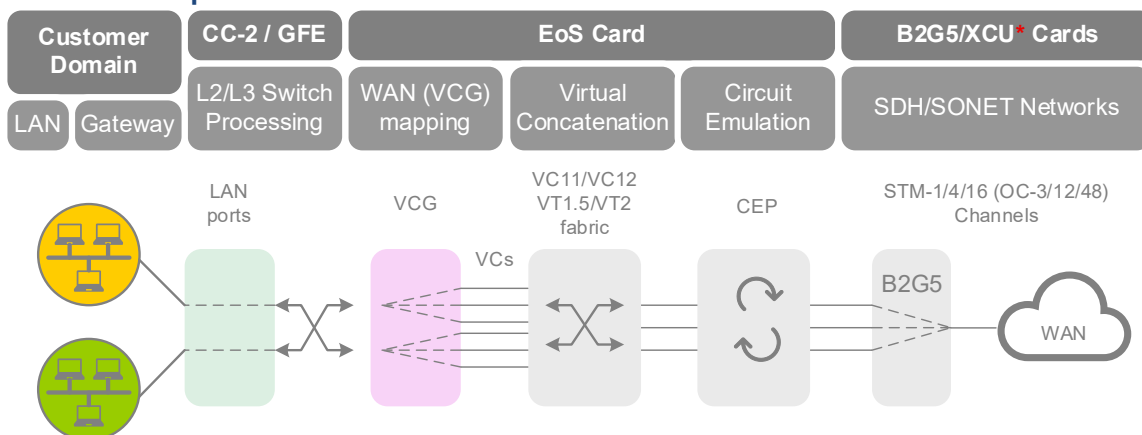
EoS Protocols	Virtual Concatenation (VCAT)
	Encapsulation: GFP (G.7041), LAPS
	LCAS (G.7042) and non-LCAS

Circuit Emulation

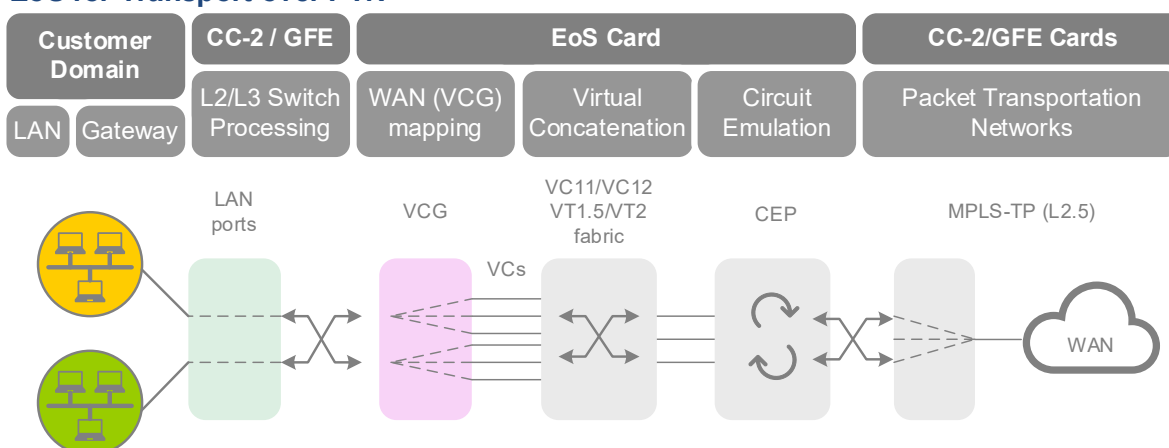
CE Types	CEP for VC4/VC3/VC12/VC11 (STS3C/STS1/VT2/VT1.5)
	Maximum packet backplane bus up to 2.5Gbps

Applications

EoS for Transport over SDH



EoS for Transport over PTN



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