HX9400R-SWM-GTX-8TTX
HX9400R-GTX-8TTX

ETHERNET INTERFACE CARDS

FEATURES

Version with switch L2 supporting E-LINE and E-LAN

Version without switch supporting E-LINE only

Eight FE (Fast Ethernet) ports and one GbE (Gigabit Ethernet) port

Software Configurable

Hot-swappable

RoHS compliant

Introduction

Ethernet Interface Cards are software configurable plug-in cards for the HX9400R device. There are two types of Ethernet cards. One is equipped with an L2 switch and one is not.

The card equipped with a switch offers the use of 1 GbE port, 8 FE ports and 8 WAN ports. The card without a switch offers the use either of 1 GbE port or 8 FE ports.

WAN ports could be selected with n VC12 or n VC3 or n VC4 up to 622Mbps.

Both cards are hot–swappable and can be installed or removed from a HX9400R chassis when the HX9400R device is powered up.

Ordering information

To specify options, choose from the list below.

HX9400R-SWM-GTX-8TTX	Ethernet tributary HX9400R/HX9500RA card manageable switch level 2 with 1000BaseT and 8 x 10/100BaseT, 8 WAN, GE and FE cannot be used together,support E-LINE and E-LAN
HX9400R-GTX-8TTX	Ethernet tributary HX9400R/HX9500RA card manageable without switch, 1x 1000BaseT and 8 x 10/100BaseT, 8 WAN, GE and FE cannot be used together,support E-LINE only

Product Specifications

Ethernet Interface

Total Ports	Nine (eight FE ports and one GbE port) ports per card

Fast Ethernet interface

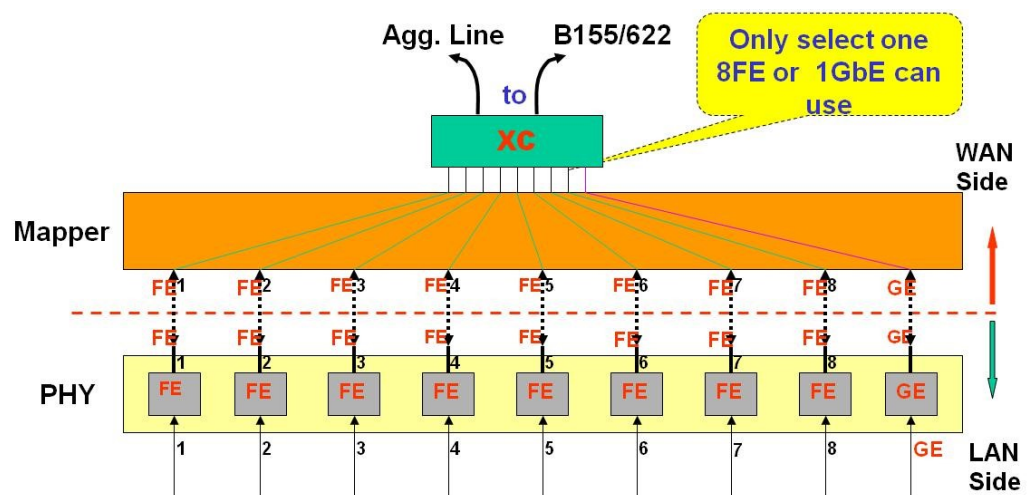|			
Line Rate	10/100 Mbps	Mapping	n x VC12, n x VC3 or n x VC4
Layer2 Protocol *for switch version*	RSTP (802.1W), VLAN (802.1Q, 802.1P) Flow Control (802.3X) MSTP (802.1S) IGMP Snooping (RFC2236) QoS (802.1p)	Connector	RJ45
Process Protocol	VCAT, GFP(G.7041), LAPS, LCAS (G.7042) and non-LCAS PPP-BCP (ready soon) with VCAT *for switch version*		

Gigabit Ethernet interface

Line Rate	10/100/1000 Mbps	Mapping	n x VC12, n x VC3 or n x VC4 maximum 622Mbps
Layer2 Protocol *for switch version*	RSTP (802.1W), VLAN (802.1Q, 802.1P) Flow Control (802.3X) MSTP (802.1S) IGMP Snooping (RFC2236) QoS (802.1p)	Connector	RJ45
Process Protocol	VCAT, GFP(G.7041), LAPS, LCAS (G.7042) and non-LCAS PPP-BCP (ready soon) with VCAT *for switch version*		

Functionalities

	E-Line	E-LAN	Port-MAP	Port-Trunking (Line Aggregation)
HX9400R-SWM-GTX-8TTX	✓	✓	✓	✓
HX9400R-GTX-8TTX	✓	✗	✗	✗

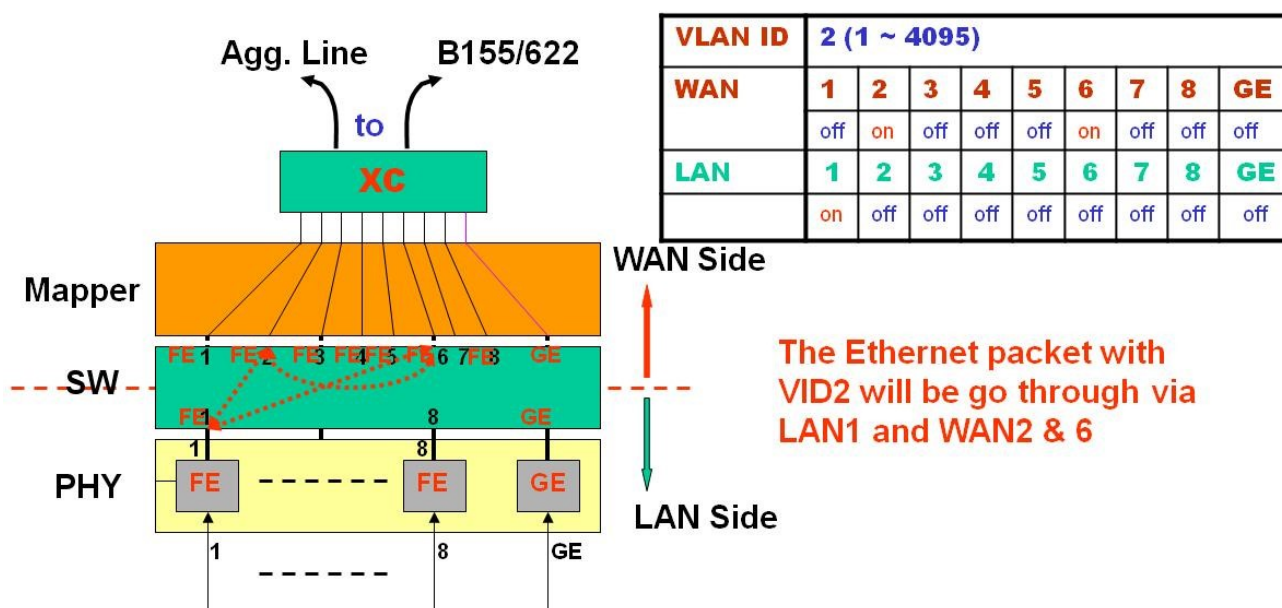# E-Line Mode

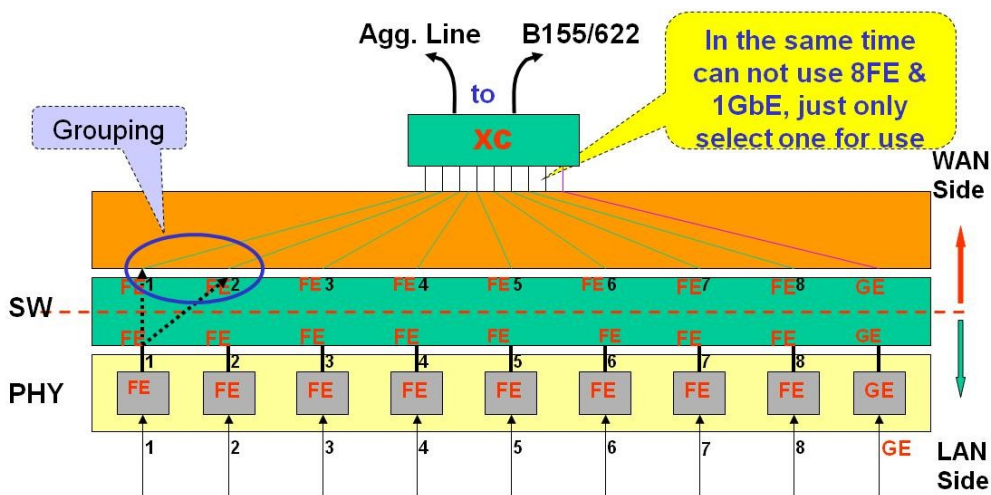This Ethernet service type is based on a point-to-point Ethernet virtual connection

E-LAN Mode

This Ethernet service type is based on a multipoint-to-multipoint Ethernet virtual connection.

VLAN ID	2 (1 ~ 4095)								
WAN	1	2	3	4	5	6	7	8	GE
	off	on	off	off	off	on	off	off	off
LAN	1	2	3	4	5	6	7	8	GE
	on	off	off	off	off	off	off	off	off

The Ethernet packet with VID2 will be go through via LAN1 and WAN2 & 6

Port-Turning (Line Aggregation)

Any Ethernet LAN and WAN can be mapper to several portion LAN and WAN then make a grouping.

In the same time can not use 8FE & 1GbE, just only select one for use

Port-Mapping

The Ethernet can be setup one-way or two-way direction to any LAN and WAN port can be mapper to any LAN and WAN.

Smart Solutions for Smart Networks
The information contained in this document is not contractual. CXR is evolving its products. Specifications may change without notice.