GFEC Card

EFEC Card

10G FEC Card

Product Description

10G FEC board is a compact, high-density, low-power optoelectronic optical converter to realize the two-way STM-64 / OC-192 / 10G WAN to OTU2 conversion, or dual two-way 10G LAN to OTU1e / OTU2e conversion, support for standard ITU-T G.709 FEC, or higher coding gain Enhanced FEC (G.975.1 I.4 and I.7 FEC), can effectively reduce the system requirements for optical signal to noise ratio OSNR to improve the transmission distance. And MUX / DEMUX and other combinations can be used to achieve DWDM transmission.

Product Features

• Support 6dB GFEC encoding gain or 8dB Enhanced Forward Error Correction (EFEC) encoding gain
• Client side supports 850nm/1310nm/1550nm optical signal access, line side support OTU1e, OTU2e, OTU2
• Support automatic laser off (ALS)
• Support multiple service access, supporting STM-64, OC-192, 10G WAN and 10G WAN
• Low latency
• Hot-swappable support
• Used for long distance DWDM transmission systems

Product Specification

Parameter	Index	
	GFEC Card	EFEC Card
Coding gain	6dB	6dB or 8dB
Interface Type	XFP	
Slot width	1 standard slot	2 standard slots
FEC standards	ITU-T G.709 FEC	G.975.1 I.4 and I.7 FEC
FEC function	turn on or off	turn on or off, coding gain adjustable
Line loopback	Support client side and line side loopback	
Access business	STM-64、OC-192、10G WAN and 10G WAN	
DDM monitoring	Supports all optical port bias current, operating temperature, transmit and receive power performance monitoring and alarm monitoring	
ALS alarm	Supports laser auto-off: When the laser cannot receive the optical signal, turn off the laser to avoid laser damage to the human body.	
Slot width	1 Standard slot	
Maximum power consumption	15W	40W