

H9122LG-4FE (CATV & 4 10/100M LAN)

Triple play FTTH ONU

PRODUCT DESCRIPTION

H9122LG-4FE, is a triple play, FTTH ONU Optical network unit.

Products will be a high-performance optical receivers and CATV FTTH EPON ONU, integrated in an ultra-small metal box .

Provides high-quality and high-speed data to the user CATV , language, video and other broadband business services .

High-performance products , high compatibility and excellent cost performance, today's triple play, FTTH preferred device .

H9122LG-4FE, built-in EPON ONU, providing users 4 10M/100M LAN ports . Product implementation of the national Ministry of interoperability standards , compatible with multiple manufacturers of EPON OLT , to achieve interoperability .

H9122LG-4FE, built-in CATV FTTH optical receiver using H9122. H9122 selected operators in over FTTH networks. Its high performance , high reliability has been widely verified. H9122 can be used to save a large amount of optical fiber amplifier power resource . For operators , can greatly reduce the cost of building the network. H9122LG-4FE optical port mode, there are two kinds of selection:

H9122LG-4FE-SF: single fiber access , built-in CWDM, applicable Triplexer wave system

H9122LG-4FE-DF: dual fiber access, without CWDM, CATV and data each with an optical fiber.



PRODUCT FEATURE

► Digital TV optical receiver

Ultra-low noise, for analog TV,

Pin = -10dBm, Vo ≥ 69dBμV, CNR ≥ 45dB

High receiver sensitivity for digital television,

Pin = -16dBm, Vo ≥ 60dBμV, MER ≥ 35dB

Received optical power over a large dynamic range of

+2 dBm ~ -21dBm, And have excellent properties

Optical power can save a lot of resources, greatly

reduce the cost of network construction

► EPON ONU

Powerful L2 switching

High rate of PON: up and down the line of symmetry

1Gb / s data, VoIP and IPTV language

For ONU automatic identification, location, configuration,

ONU can " plug and play"

High quality based on the service level agreement (SLA)

Accounting (QoS) features

Powerful remote management functions and data to

Support various OAM functions with a Single fiber.

PRODUCT FEATURE

► CATV (Received optical power)

Red > +2dBm

Green +2~-13dBm (Digital TV: +2~-16dBm)

Orange -13~-16dBm (Digital TV: -16~-20dBm)

Red < -16dBm (Digital TV: < -20dBm)

► ONU

PON (Green)

Bright : Link, registered normal

Flicker : Links, registration is not normal

LOS (Red) Off : Normal

Bright : Device self-test failure

LAN1 (Green) Flicker : Link normal

LAN2 (Green) Flicker : Link normal

LAN3 (Green) Flicker : Link normal

LAN4 (Green) Flicker : Link normal

► Power

Power (Green) Bright : Normal

2.3 General Characteristics

Metal case, offer safeguard for optoelectronic sensitive devices

Low consumption, high performance, high reliability

Excellent cost performance in area

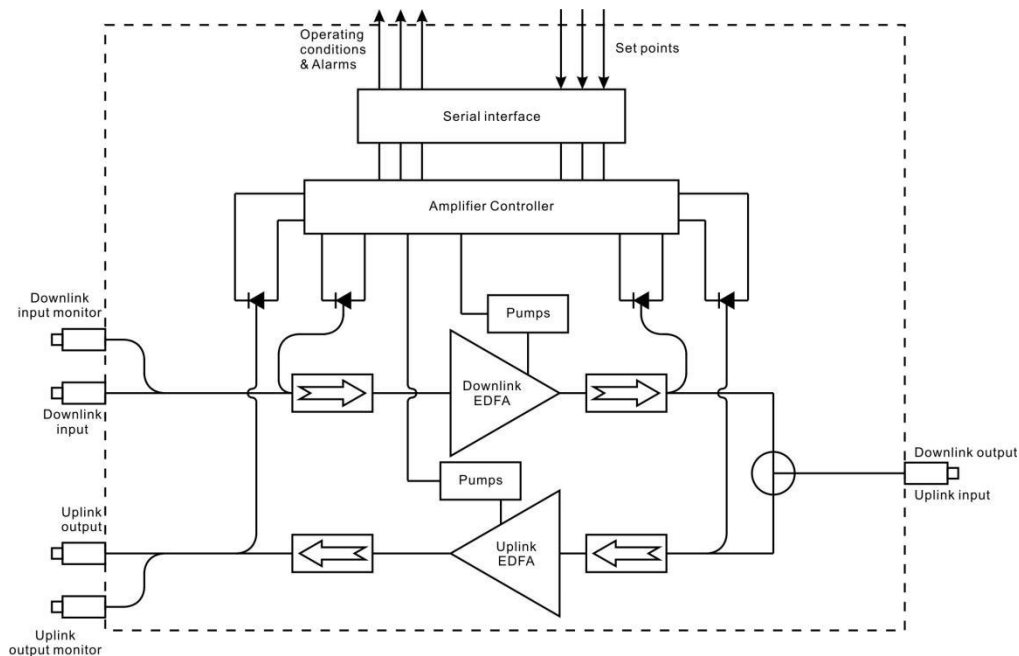
技术指标

性能			指标			补充
			Min.	Typ.	Max.	
光 学 特 性	工作波长范围 (λ) (上行或下行)	(nm)	1528.0		1563.3	B: Blue-band (C-Band)
			1548.4		1563.4	R: Red-Band (C-Band)
			1528.0		1564.0	C: C-Band
	输入光功率 (上行或下行)	(dBm)	-10		+6	BA
			-25		-10	LA
			-35		-15	PA
	输出光功率	(dBm)			24	上行或下行
	增益平坦度	(dB)		0.7	1.0	peak-to-peak
	噪声系数	(dB)			0	
	偏振相关损耗	(dB)			0.2	
	偏振相关增益	(dB)			0.5	
	偏振模式色散	(ps)			0.3	
	输入/输出光隔离	(dB)	30			
	泵浦功率泄漏	(dBm)			-30	
	回波损耗	(dB)	40			UPC

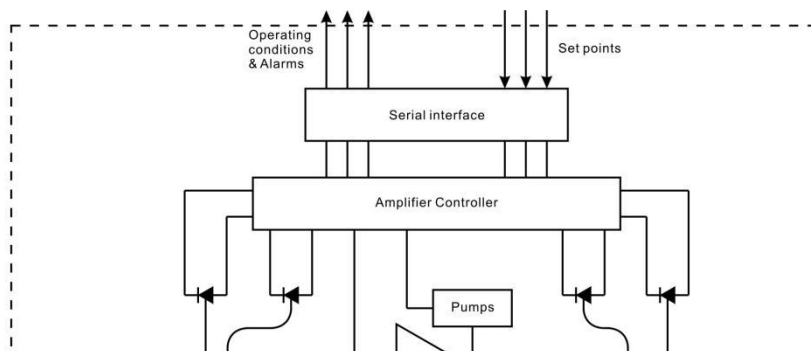
			55			APC
通用特性	SNMP 网管接口		RJ45			
	通信接口		RS232			
	供电	(V)	90		265	220VAC
			30		72	-48VDC
	功耗	(W)			50	
	工作温度	(°C)	0		65	
	储存温度	(°C)	-40		+80	
	工作湿度	(%)	5		95	
	尺寸 (W)×(D)×(H)	(mm)	483×368×44			

光电图

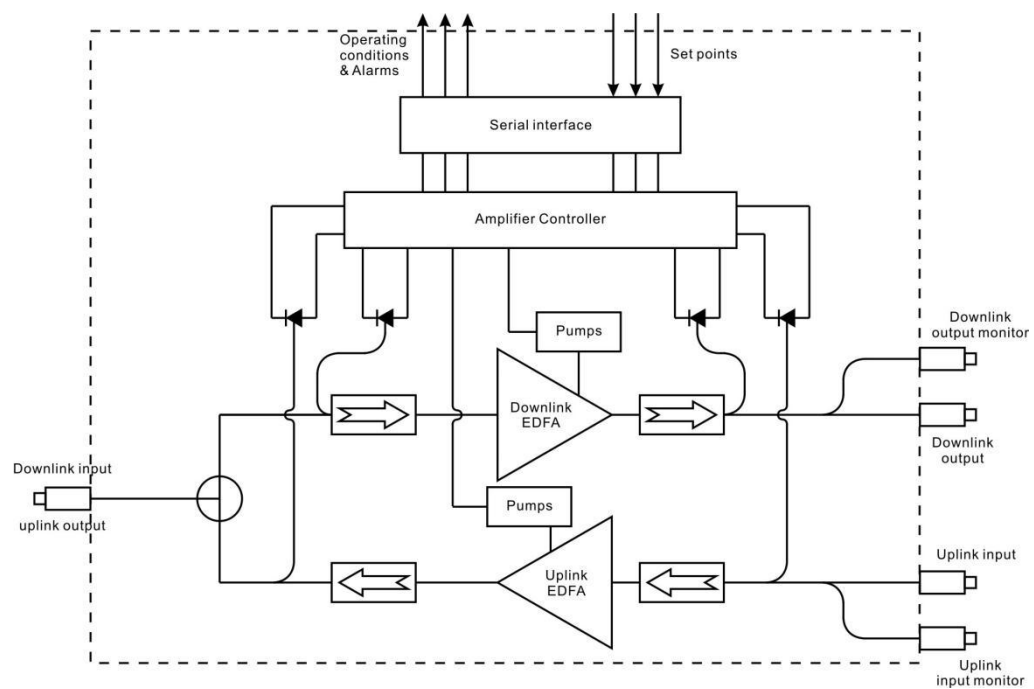
光口模式 - 前端 (021, 无监测口, M21 带上行、下行监测口)



光口模式 - 线路 011



光口模式 – 远端 (012, 无监测口, M12 带上行和下行监测)



订货信息

HA 8 1 2 0 R / 1 2 0 B

产品系列	工作带宽		产品类型		BA或PA		工作波长		产品类型		BA或PA		工作波长	
光泰通信类 光纤放大器	8	双向放大器	0	无	00	无	R	C-Band/ Red-Band	0	无	00	无	B	C-Band/ Blue-band
			1	BA	13	13dBm			1	BA	13	13dBm		
			2	LA	17	17dBm			2	LA	17	17dBm		
			3	PA	20	20dBm			3	PA	20	20dBm		
			21	21dBm	C	C-Band			21	21dBm	C	C-Band		
			22	22dBm					22	22dBm				
			23	23dBm					23	23dBm				
			24	24dBm					24	24dBm				
			15	15dB					15	15dB				
			20	20dB					20	20dB				
			25	25dB					25	25dB				
			30	30dB					30	30dB				
	下行放大器								上行放大器					

- 0 N - 0 1 1 - 1 U - F / S A - 2 2

功能	网管	光口模式	外型	光口位置	光纤连接器	供电
0 无	0 无	011 线路, 无监测光口	1U 19" 1RU	F 前面板	FA FC/APC	22 220VAC
P 可调功率	N 带	012 前端, 无监测光口	2U 19" 2RU	B 后面板	FP FC/UPC	11 110VAC
		M12 前端, 带监测光口	3D 桌面式		SA SC/APC	48 -48VDC
G 可调增益		021 远端, 无监测光口	OD 户外型		SP SC/UPC	
		M21 远端, 带监测光口			LA LC/APC	
			OEM 用户专用外型		LP LC/UPC	
			ML 模块式			