

EQUIPOS USADOS EN LA RED QUALITYNET

En Nuestro Nodo principal, QUALITYNET JM S.A.S. cuenta con equipos robustos de última tecnología, para garantizarle a nuestros clientes un servicio óptimo y de calidad.

Para la gestión y administración de nuestros usuarios, contamos con equipos Mikrotik CCR1036



Product code	CCR2116-12G-4S+
Architecture	ARM 64bit
CPU	AL73400
CPU core count	16
CPU nominal frequency	2000 MHz
Dimensions	443 x 199 x 44 mm
RouterOS license	6
Operating System	RouterOS (v7 only)
Size of RAM	16 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
Powering	
Number of AC inputs	2
AC input range	100-240

Max power consumption	72 W
Max power consumption without attachments	60 W
Cooling type	4 fans
Ethernet	
10/100/1000 Ethernet ports	13
Fiber	
SFP+ ports	4
Peripherals	
Serial console port	RJ45
Number of M.2 slots	1
Other	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Mode button	Yes
Certification & Approvals	
Certification	CE, EAC, ROHS

En nuestra cabecera principal contamos con una OLT HUAWEI Smart AX MA5683T con 32 puertos pon.



Huawei SmartAX MA5683T OLT Product Specifications

Index	MA5680T(ETSI)	MA5680T(IEC)	MA5683T
Compatible cabinet	Indoor cabinet : N63E-22、N66E-18	Indoor cabinet : N66E-22	Indoor cabinet : N66E-18
	outdoor cabinet : F01T500	outdoor cabinet	outdoor cabinet : F01S300、F01T500、F01T300
Service Card	Main control board: 2 slots	Main control board: 2 slots	Main control board: 2 slots
	Service board: 16 slots	Service board: 16 slots	Service board: 6 slots
	Universal interface board: 1 slot	Universal interface board: 1 slot	Universal interface board: 1 slot
	Uplink interface board: 2 slots	Uplink interface board: 2 slots	Uplink interface board: 2 slots
	Power interface board: 2 slots	Power interface board: 2 slots	Power interface board: 2 slots
Supportable main	SCUN/SCUK : 480Gbit/s (Active/standby mode) 、960Gbit/s (Load sharing mode)		

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control board and switching capacity	SCUH/SCUV : 960Gbit/s (Active/standby mode) 、 1920Gbit/s (Load sharing mode)
System Layer 2 packet forwarding rate	<u>SCUN</u> /SCUK : 726Mpps (Active/standby mode) 、 1452Mpps (Load sharing mode)
	SCUH/SCUV : 1428Mpps (Active/standby mode) 、 2856Mpps (Load sharing mode)
Exchange forwarding delay	Has a lower forwarding delay. The 100Mbit/s Ethernet port sends 64Byte Ethernet packets with a delay of no more than 20μs.
Full load error rate	When the port is transmitting at full load, the bit error rate (bit error rate) is 10^{-7}.

Huawei SmartAX MA5683T OLT Product Features

Large-capacity shared platform

Huawei SmartAX MA5683T OLT provides the large-capacity shared platform that supports a high-speed switching capacity.

Based on the iMAP hardware platform and the IAS software platform of Huawei, Huawei SmartAX MA5683T OLT adopts advanced architecture and design.

Powerful integrated GPON/EPON access capability

EPON access capability

The point to multi-point (P2MP) architecture is used to support the passive optical transmission over Ethernet. Symmetrical upstream and downstream rates of 1.25 Gbit/s are supported to provide the high-speed broadband services

GPON access capability.

The downstream rate is up to 2.488 Gbit/s and the upstream rate is up to 1.244 Gbit/s. Long-distance is supported. The maximum physical transmission distance of the ONT is 60 km. The physical distance between the farthest ONT and the nearest ONT can be up to 20 km. High split ratio is supported. The 8-port GPON access board supports a split ratio of 1:128.

Huawei SmartAX MA5683T OLT Service Boards

Board Type	Model	Full Name
Control board	SCUL	Super Control Unit Board
	SCUN	Super Control Unit Board
Service board	GPBC	4-port GPON OLT Interface Board
	GPBD	8-port GPON OLT Interface Board
	OPFA	FE P2P Optical Interface Board
	TOPA	TDM Traffic Over PSN Board
	CSPA	CESoP Service Process Board
	SPUA	Service Process Board
	ETHB	Ethernet Service Access Board
	SPUB	Service Process Unit Board
Clock board	CITD	Combo Interface Transfer Board

	BIUA	BITS Interface Unit Board
Upstream interface board	GICF	2-port GE Optical Interface Card
	GICG	2-port GE Electrical Interface Card
	GICK	2-port GE Optical/Electrical Interface Card
	X1CA	1-port 10GE XFP Optical Interface Unit Board
	X2CA	2-port 10GE XFP Optical Interface Unit Board
	X2CS	2-port 10GE Uplink Interface Card
Power interface board	PRTE	Connect Power Board

A nuestros clientes le instalamos ONUs doble banda 2.4/5.8 Ghz para una mayor cobertura y una óptima navegación.

Las características principales de estos equipos son:



Latic HG102DWT dual band – Puertos : 1 GE + 1 FE + CATV + 2 antenas Wifi 5dBi (2.4Ghz)

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