Overview

Huawei SmartAX EA5800 X2 provides a unified carrying platform for multiple services over one fibre network like broadband, wireless, video, and monitoring. Huawei SmartAX EA5800 X2 provides GPON, XG-PON, XGS-PON, P2P GE, and 10GE access, and supports POL, FTTH, FTTB, and FTTC network construction modes. Therefore, it simplifies network architecture and reduces OPEX.

3 Control board	4 Control board	0 Power board	
1	Service board		Fan tray
2	Service board		

Slot Type	Slot No.	Total
Control board (SCU) slot	2,3	2
Power board slot	0	1
Service board slot	1,2	2

Quick Specification

Model	Huawei SmartAX EA5800-X2
Supported Cabinets	N63E-22
Dimensions	2U high and 19 inches wide
Dimensions (H x W x D)	Excluding mounting brackets: 442 mm x 268.7 mm x 88.1 mm
	Including IEC mounting brackets: 482.6 mm x 268.7 mm x 88.1 mm
	Including ETSI mounting brackets: 535 mm x 268.7 mm x 88.1 mm
Maximum Weight (including mounting brackets)	9.4 kg
Power Supply Mode	DC power supply (dual backup)
	AC power supply + battery for backup
Maximum Input Current	DC power supply: 20A
	AC power supply: 8A

Product Details:

The Front Panel:

Features Huawei SmartAX EA5800-X2 provides:

★ Distributed Architecture: High Performing and Non-blocking

The EA5800 distributes service processing on the control board to every service board, improving system switching capacity and performance. Each slot can support a throughput of up to 100 Gbit/s, ensuring smooth services without interruption. The EA5800 supports distributed caching for channel zapping and fast starting of HD videos.

★ Software Hitless Upgrade: Upgrade Anytime

In the distributed architecture, control and forwarding are isolated, ensuring that services are not interrupted during device upgrades. This also reduces user complaints. Devices can be upgraded at daytime.

★ High Reliability

The EA5800 supports multiple protection mechanisms.
• Type B/type C dual-homing implements remote disaster recovery.
• 2 control boards and 2 power boards for redundancy.
• Dual-uplink protection.

★ Integrated Multiple Access Technologies

The EA5800 supports multiple access technologies, such as GPON, XG-PON, XGS-PON and P2P. Thus it is possible to carry multiple services on one optical network and save network construction costs.

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Accessories For SmartAX EA5800-X2:

Boards and Fan Tray:

Model name	Description
H902MPLAE	Huawei SmartAX EA5800 Main Processing Board
H901MPSCE	Huawei SmartAX EA5800 Main Processing Board
H901CIUA	Huawei SmartAX EA5800 Combo Interface Transfer Board
H901XGHDE	Huawei SmartAX EA5800 8-port Advanced XG-PON OLT Interface Board
H901OGHK	Huawei SmartAX EA5800 48-port Advanced GE/FE Optical Interface Board
H901OXHD	Huawei SmartAX EA5800 8-port Advanced 10GE Optical Interface Board
H902OXHD	Huawei SmartAX EA5800 8-port Advanced 10GE Optical Interface Board
H901GPSFE	Huawei SmartAX EA5800 16-port GPON OLT Interface Board
H901OXEG	Huawei SmartAX EA5800 24 port Aggregationed 10GE/GE Optical Interface Board
H901TWEDE	Huawei SmartAX EA5800 8-port Enhanced XGS-PON OLT Interface Board
H901XSHF	Huawei SmartAX EA5800 16-port XGS-PON OLT Interface Board
H902GPHFE	Huawei SmartAX EA5800 16-port GPON OLT Interface Board
H901NXED	Huawei SmartAX EA5800 8-port Enhanced 10GE Uplink Interface Board
H901PILA	Huawei SmartAX EA5800 Power Transfer Board
H901PISA	Huawei SmartAX EA5800 Power Transfer Board
H901PISB	Huawei SmartAX EA5800 Power Transfer Board
H902PISB	Huawei SmartAX EA5800 Power Transfer Board
H901FMSA	Huawei SmartAX EA5800 EA5800-X2 fan tray

Compare To Similar Items:

Parameters	EA5800-X17	EA5800-X15	EA5800-X7	EA5800-X2
Board Configuration	Control board slots: 9, 10 Service board or upstream interface board slots: 1 to 8, 11 to 19 Universal interface	Control board slots: 8, 9 Service board or upstream interface board slots: 1 to 7, 10 to 17 Universal interface	Control board slots: 8, 9 Service board or upstream interface board slots: 1 to 7 Universal interface board slot: 0	Control board slots: 3, 4 Service board or upstream interface board slots: 1 to 2 Does not support universal interface

	board slot: 0 Power board slots: 20, 21	board slot: 0 Power board slots: 18, 19	Power board slots: 10, 11	board Power board slot: 0
Switching Capacity of the Control Board (load sharing mode)	3.6 Tbit/s	3.6 Tbit/s	3.6 Tbit/s	480 Gbit/s
Maximum Bandwidth per Service Slot (load sharing mode)	100 Gbit/s	100 Gbit/s	100 Gbit/s	80 Gbit/s
System Layer 2 Packet Forwarding Rate (load sharing mode)	5,298 Mpps	5,298 Mpps	5,298 Mpps	714 Mpps
Maximum Number of Concurrent 4K Video Users	16,000	16,000	8,000	2,000
Maximum Number of MAC Addresses	262,143	262,143	262,143	262,143
Maximum Number of ARP/Routing Entries	131,072	131,072	131,072	131,072
GPON Ports/ XG(S)-PON Ports	272	240	112	32
GE/FE Ports	816	720	336	96
10 GE Ports	408	360	168	16

Get more information:

Do you have any question about SmartAX EA5800-X2?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Model	EA5800-X2
Supported Cabinets	N63E-22
Dimensions	2U high and 19 inches wide
(W x D x H)	Excluding mounting brackets: 442 mm x 268.7 mm x 88.1 mm
Maximum Weight (including mounting brackets)	9.4 kg
Maximum Input Current	DC power supply: 20A
	AC power supply: 8A
Power Supply Modes	DC power support (dual for backup)

	AC power supply + battery for backup
Working Voltage Range	DC power supply: -38.4V to -72V
	AC power supply: 100V to 240V
Rated voltage	DC power supply: -48V/-60V
	AC power supply: 110V/220V
Switching Capacity of the Control Board (load sharing mode)	480 Gbit/s
Maximum Bandwidth per Service Slot (load sharing mode)	80 Gbit/s
System Layer 2 Packet Forwarding Rate (load sharing mode)	714 Mpps
Maximum Number of Concurrent 4K Video Users	2,000
Maximum Number of MAC Addresses	262,143
Maximum Number of ARP/Routing Entries	131,072
GPON Ports/ XG(S)-PON Ports	32
GE/FE Ports	96
10 GE Ports	16

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