MAIPU

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ABOUT MAIPU

Founded in 1993, Maipu Communication Technology Co, Ltd. has been focusing on data communication equipment development and helping enterprise-class customers build up cost-effective network. With the vision of "Make IT intelligent" and rich experience in providing ICT service for various customers, Maipu has become the world leading networking solution provider.

Networking Solution Expert

SDN Campus, Enterprise WAN, Metro Ethernet, Campus Wi-Fi, 4G/5G VPN

Major Product Lines

Router, Switch, Wireless, Security, Storage, Load Balance, Application Software

Widely Used in Global Market

BFSI, Telecom & ISP, Government, Energy, Education, etc.

Manufactory

Units		Factory
2 Million	**17000 m²**	**Largest**
Capacity	Size	Western China

Production Facilities

Professional Integrated Quality Test Line

High Temperature Test System

Safety Performance Test System

Quality Control

Siemens High Speed SMT Production Line

ERSA Hot Air Reflower Soldering System

EKRA Automatic Solder Paste Print
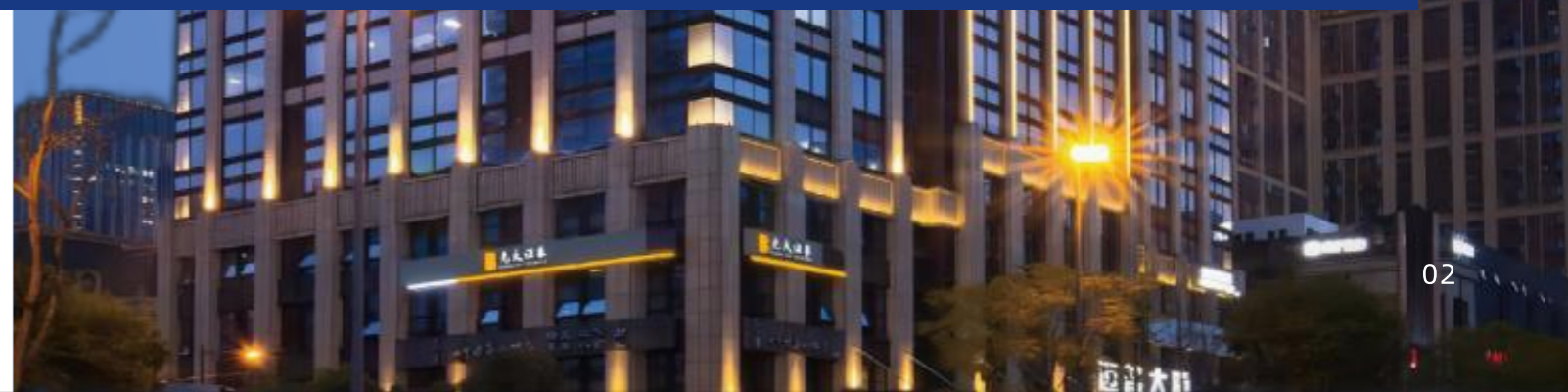
Enterprise Switch

Data Center | Campus

Maipu Data Center Spine Switch

NSS18500-08
- CLOS Architecture
- Eight Service Slots
- DC VxLAN Spine

NSS18500-04
- CLOS Architecture
- Four Service Slots
- DC VxLAN Spine

Maipu Data Center Leaf Switch

NSS5830 Series
- 24/48*10G + 6/8*100G
- DC VxLAN Leaf

NSS5930-56SQFP
- 48*25G + 8*100G
- DC VxLAN Leaf

NSS5950-32QFP
- 32*100G
- DC VxLAN Leaf

Maipu SDN Campus Core Switch

NSS11500-12
- CLOS Architecture
- Twelve Service Slots

NSS11500-08
- CLOS Architecture
- Eight Service Slots

NSS11500-04
- CLOS Architecture
- Four Service Slots

Maipu SDN Campus Distribution Switch

NSS6600-10
- Distribute Architecture
- Eight Service Slots

NSS6600-06
- Distribute Architecture
- Four Service Slots

NSS6600-04
- Full-Mesh Architecture
- Four Service Slots

Maipu SDN Campus Aggregation Switch

NSS5812 Series
- Multi-Gigabit Interfaces
- PoE/PoE+/UPoE Enable
- MPLS L3 VPN

NSS4330 Series
- 24/48*1G + 4/6*10G
- 40G Expansion
- PoE/PoE+ Enable
- MPLS L3 VPN

NSS5810 Series
- 10G/25G/40G Fiber Interfaces
- MPLS L3 VPN

NSS3530/3330 Series
- 24/48*1G + 6*10G
- PoE/PoE+ Enable

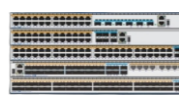### Maipu SDN Campus Access Switch

S4330 Series
- 24/48*1G + 4/6*10G
- PoE/PoE+ Enable

S4230 Series
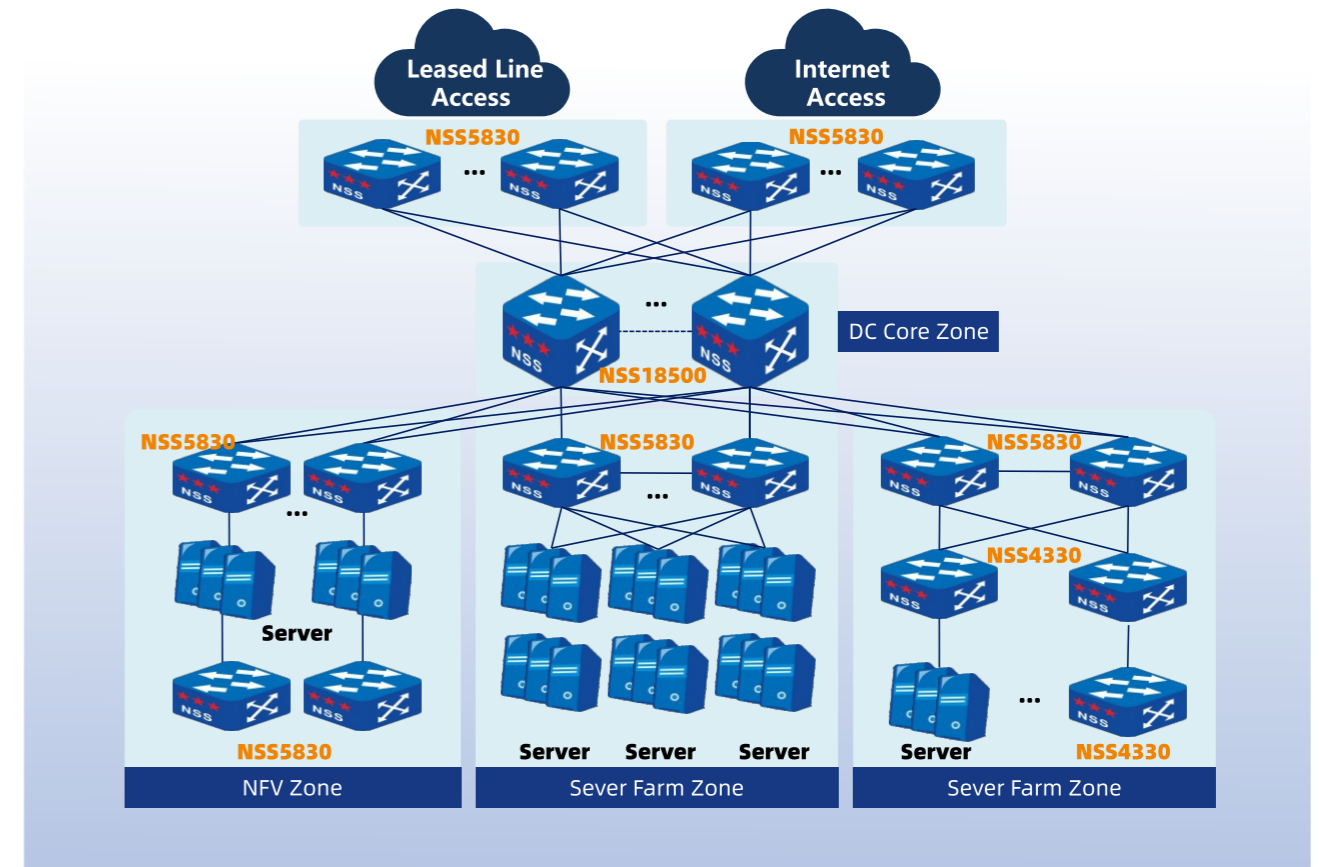- 24/48*1G + 4/6*10G

S3330 Series
- 8/24/48*1G + 4/6*10G
- PoE/PoE+ Enable

S3230 Series
- 24/48*1G + 4/6*10G
- PoE/PoE+ Enable

Data Center Switch

Application Scenario

Leased Line Access — NSS5830
Internet Access — NSS5830
DC Core Zone — NSS18500
NSS5830
NFV Zone — NSS5830, NSS5830, Server
Sever Farm Zone — NSS5830, Server Server Server
Sever Farm Zone — NSS5830, NSS4330, Server NSS4330

High Performance Data Center Networking

Maipu data center switch architecture adopts a core-top of rack (TOR) deployment. The core switch located at the network center provide high throughput, low latency performance and interconnect critical business operations and other key deployments. TOR switches directly face servers, storage and other resources, providing a large number of high-density ports and aggregating services.

Redundant connections between switches ensure high availability. Different switch types can be flexibly combined according to specific needs. Powerful switching capacity, port density and flexible port speeds can fully meet the performance and scalability requirements of data centers.

The modular design allows the network to be quickly restructured according to business needs, while also considering the subsequent functionality expansion of the hardware. Comprehensive management mechanisms can maximize automation and proactively prevent security threats.

The simple and efficient architecture and hardware provide powerful and stable network capabilities for enterprise data centers. Maipu DC switch solutions aim to build a high-performance and flexible network environment through modular design, rich features and easy operation and maintenance.

In future technology iterations, high performance, scalable and secure connectivity will continue to be the basic guarantee for data center functionality. Maipu DC switch products and solutions are dedicated to creating this network foundation for enterprise customers.

Spine Switch

NSS18500 Series

Overview

Maipu NSS18500 series switch is a high-performance Ethernet flagship product designed for data center scenarios. It provides a comprehensive range of secure and controllable L2/L3 routing and switching services. It is ideal for data center networks with high-density, high-performance forwarding capabilities.

Key Feature

- CLOS Non-Blocking Architecture and Orthogonal Backplane Matrix Design
- VxLAN/EVPN Virtualization Technology
- Data Center Interconnect (DCI)
- Netconf/Yang Management
- RoCEv2 Lossless Ethernet

Model	Switching Capacity	Slot					Maximum Port			Height
		Control Engine	Switching Fabric	Line Card	Power	Fan	100G	40G	10G	
NSS18500-04	28.8Tbps	2	6	4	4	2	144	136	192	6U
NSS18500-08	57.6Tbps	2	6	8	8	2	288	272	384	15U

NSS5950 Series

Overview

Maipu NSS5950 series 100G data center non-blocking switch is a new generation Ethernet switching product designed for the next-generation data center. It is ideal for next-generation data centers, meeting deployment requirements for SDN, virtualization, big data, and artificial intelligence.

Key Feature

- VxLAN/EVPN Virtualization Technology
- Data Center Interconnect (DCI)
- Netconf/Yang Management
- RoCEv2 Lossless Ethernet

Model	Switching Capacity	10G Base-T	10G SFP+	25G SFP28	100GE QSFP28	Dual Power (Modular)	Dual FAN (Modular)
NSS5950-32QFP	6.4Tbps	-	-	-	32	2	6

Leaf Switch

NSS5830 & NSS5930 Series

Overview

Maipu NSS5830 and NSS5930 series 10G/25G data center non-blocking switch are new generation Ethernet switching products designed for the next-generation data center. They are ideal for next-generation data centers, meeting deployment requirements for SDN, virtualization, big data, and artificial intelligence.
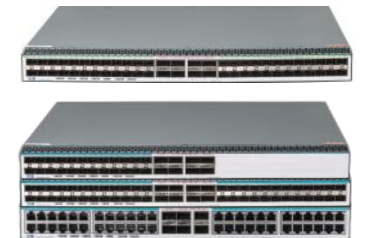
Key Feature

- VxLAN/EVPN Virtualization Technology
- Data Center Interconnect (DCI)
- Netconf/Yang Management
- RoCEv2 Lossless Ethernet

Model	Switching Capacity	10G Base-T	10G SFP+	25G SFP28	100GE QSFP28	Dual Power (Modular)	Dual FAN (Modular)
NSS5930-56SQFP	4Tbps	-	-	48	8	2	5
NSS5830-54XTQFP	2.16Tbps	48	-	-	6	2	5
NSS5830-56XQFP	2.56Tbps	-	48	-	8	2	5
NSS5830-32XQFP	2.08Tbps	-	24	-	8	2	5

Campus Switch

Application Scenario
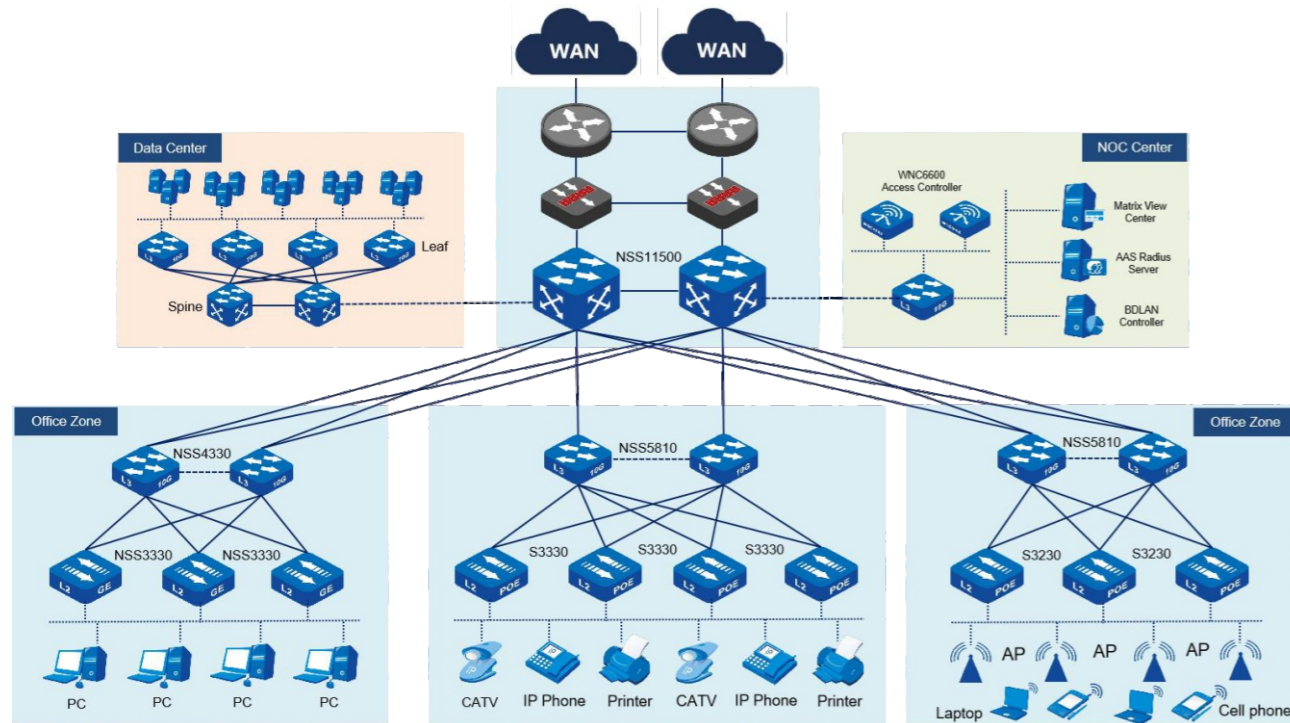
Four-layer Campus Network Architecture

Maipu campus network architecture adopts a four-layer design: Core, Distribution, Aggregation and Access.

The Core layer deploys high-performance switches to interconnect the Distribution layer switches, outbound routers and the network management system. It enables interconnection between all area networks in the campus, external networks, and implements unified monitoring, configuration and management of the network.

The Distribution layer aggregates the connections from the Aggregation layer switches. It allocates network resources from the Core layer to the Aggregation layer. The Distribution layer switches also implement certain network management functions like VLAN management and security policies.

The Aggregation layer uses aggregation switches to collect network traffic from the Access layer switches. This reduces the number of ports required on the upper-layer switches and enables load balancing.

The Access layer employs access switches to connect end devices such as servers and cameras to the campus network. The access switches integrate with wireless controllers to bridge wireless networks.

Advanced network security mechanisms such as firewalls, intrusion detection and access control are deployed across all layers to protect the network.

Switches at the Core, Distribution, Aggregation and Access layers compose a high-performance cohesive network spanning the campus. This modular architecture allows the network to flexibly scale and adapt to various business requirements and network demands.

NSS11500 Series

Overview

Maipu NSS11500 series switch is a new generation high-performance Ethernet switche for various industries, designed for core layer in large campus networks. It provides comprehensive security and reliability from hardware to software.

Key Feature

- CLOS Non-Blocking Architecture Design with High Performance
- Software-Defined Network (SDN)
- Stacking Technologies for Virtualization
- IPv4/IPv6 Dual Stack
- Complete L2&L3 Features
- Green and Energy-Saving

Model	Switching Capacity	Slot					Maximum Port			Height
		Control Engine	Switching Fabric	Line Card	Power	Fan	40G	10G	1G	
NSS11500-04	7.68Tbps	2	6	4	4	2	48	136	192	6U
NSS11500-08	15.36Tbps	2	6	8	8	2	96	272	384	15U
NSS11500-12	15.36Tbps	2	6	12	8	4	96	408	576	20U

Distribution Switch

NSS6600 Series

Overview

Maipu NSS6600 series switch is a new generation high-performance Ethernet switche for various industries, designed for distribution layer in large campus networks. It provides comprehensive security and reliability from hardware to software.

Key Feature

- Distribution Architecture Design with High Performance
- Software-Defined Network (SDN)
- Stacking Technologies for Virtualization
- IPv4/IPv6 Dual Stack
- Complete L2&L3 Features
- Green and Energy-Saving

| Model | Switching Capacity | Slot | | | | | Maximum Port | | | Height |
		Control Engine	Switching Fabric	Line Card	Power	Fan	40G	10G	1G	
NSS6600-04	1Tbps	2	-	4	2	1	-	64	192	5U
NSS6600-06	3.84Tbps	2	2	6	4	2	48	288	288	11U
NSS6600-10	3.84Tbps	2	2	8	4	2	64	384	384	15U

Aggregation Switch

NSS5812 Series

Overview

Maipu NSS5812 series switch is a new generation high-performance Multi-Gigabit Ethernet switch that supports 100Mbps, 1Gbps, 2.5Gbps, 5Gbps and 10Gbps Ethernet ports at the same time. It is designed for 10G access/aggregation layer in large campus networks. It provides flexible access mode for multi-gigabit applications.

Key Feature

- Multi-Gigabit Hardware Design
- Software-Defined Network (SDN)
- Stacking Technologies for Virtualization
- IPv4/IPv6 Dual Stack
- PoE/PoE+/PoE++ Enable
- Complete L2&L3 Features
- Green and Energy-Saving

Model	Switching Capacity	100M/1G/2.5G/5G/10G mGig	PoE Port	10GE/40GE Expansion Slot	10GE SFP+	Single Fixed Power	Single Fixed FAN	Dual Modular Power	Dual Modular FAN
NSS5812-28MXT	560Gbps	24	-	-	4	Yes	Yes	-	-
NSS5812-30MXT	640Gbps	24	-	1	-	-	-	Yes	Yes
NSS5812-30MXTP	640Gbps	24	24	1	-	-	-	Yes	Yes

NSS5810 Series

Overview

Maipu NSS5810 series switch is a new generation high-performance Ethernet switch for various industries, designed for 10G fiber MPLS aggregation layer in large campus networks. It provides comprehensive security and reliability from hardware to software.

Key Feature

- Software-Defined Network (SDN)
- Stacking Technologies for Virtualization
- IPv4/IPv6 Dual Stack
- Complete L2&L3 Features
- Green and Energy-Saving

Model	Switching Capacity	1G RJ45	10GE SFP+	25GE SFP28	40GE QSFP+	Dual Power (Modular)	Dual FAN (Modular)
NSS5810-50TXFP	568Gbps	24	18	8	-	Yes	-
NSS5810-26XF	640Gbps	-	24	-		Yes	Yes

NSS4330 Series

Overview

Maipu NSS4330 series switch is a new generation high-performance Ethernet switch for various industries, designed for gigabit MPLS aggregation layer in large campus networks. It provides comprehensive security and reliability from hardware to software.

Key Feature

- Software-Defined Network (SDN)
- Stacking Technologies for Virtualization
- IPv4/IPv6 Dual Stack
- PoE/PoE+ Enable
- Complete L2&L3 Features
- Green and Energy-Saving

Model	Switching Capacity	GE Base-T	GE SFP	10GE SFP+	100GE/40GE/10 GE Expansion Slot	PoE Ports	Maximum PoE Budget	Dual Power (Modular)
NSS4330-32TXP	448Gbps	24	-	6	1	24	760W	Yes
NSS4330-56TXP	496Gbps	48	-	6	1	48	1440W	Yes
NSS4330-32TXF	448Gbps	24	-	6	1	-	-	Yes
NSS4330-56TXF	496Gbps	48	-	6	1	-	-	Yes
NSS4330-36TXF	688Gbps	24	-	4	2	-	-	Yes
NSS4330-60TXF	736Gbps	48	-	4	2	-	-	Yes
NSS4330-36GXF	688Gbps	-	24	4	2	-	-	Yes
NSS4330-60GXF	736Gbps	-	48	4	2	-	-	Yes

NSS3530 & NSS3330 Series

Overview

Maipu NSS3530 and NSS3330 series switch are new generation high-performance Ethernet switches for various industries, designed for gigabit L3 aggregation layer in large campus networks. They provide comprehensive security and reliability from hardware to software.

Key Feature

- Software-Defined Network (SDN)
- Stacking Technologies for Virtualization
- IPv4/IPv6 Dual Stack
- PoE/PoE+ Enable
- Complete L2&L3 Features
- Green and Energy-Saving

Model	Switch Capacity	GE Base-T	GE SFP	10GE SFP+	PoE Ports	Maximum PoE Budget	Single Power (Fixed)	Dual Power (Fixed)	Dual Power (Modular)
NSS3530-30TXF	168Gbps	24	-	6	-	-	-	-	Yes
NSS3530-54TXF	216Gbps	48	-	6	-	-	-	-	Yes
NSS3530-30TXP	168Gbps	24	-	6	-	760W	-	-	Yes
NSS3530-54TXP	216Gbps	48	-	6	-	1440W	-	-	Yes
NSS3530-38GTXF	184Gbps	8	24	6	-	-	-	-	Yes
NSS3530-54GXF	216Gbps	-	48	6	-	-	-	-	Yes
NSS3330-30TXF	168Gbps	24	-	6	-	-	-	Yes	-
NSS3330-54TXF	216Gbps	48	-	6	-	-	-	Yes	-
NSS3330-30TXP	168Gbps	24	-	6	-	380W	Yes	-	-
NSS3330-54TXP	216Gbps	48	-	6	-	760W	Yes	-	-
NSS3330-38GTXF	184Gbps	8	24	6	-		-	Yes	-

Access Switch

S4230 & S4330 Series

Overview

Maipu S4330 and S4230 series switch are new generation high-performance Ethernet switches for various industries, designed for gigabit L3 access layer in large campus networks. They provide comprehensive security and reliability from hardware to software.

Key Feature

- Software-Defined Network (SDN)
- Stacking Technologies for Virtualization
- IPv4/IPv6 Dual Stack
- PoE/PoE+ Enable
- Complete L2&L3 Features
- Green and Energy-Saving

Model	Switch Capacity	GE Base-T	GE SFP	10GE SFP+	10GE Expansion Slot	PoE Ports	Maximum PoE Budget	Single Power (Fixed)	Dual Power (Fixed)	Dual Power (Modular)
S4330-30TXP	168Gbps	24	-	4	1	24	760W	-	-	Yes
S4330-54TXP	216Gbps	48	-	4	1	48	1440W	-	-	Yes
S4230-30TXF-AC	168Gbps	24	-	6	-	-	-	-	Yes	-
S4230-54TXF-AC	216Gbps	48	-	6	-	-	-	-	Yes	-
S4330-30TXF	168Gbps	24	-	4	1	-	-	-	-	Yes
S4330-54TXF	216Gbps	48	-	4	1	-	-	-	-	Yes
S4230-36GTXF-AC	144Gbps	8	24	4	-	-	-	-	Yes	-
S4230-36GTXF-DC48	144Gbps	8	24	4	-	-	-	Yes	-	-
S4330-54GXF	216Gbps	-	48	4	1	-	-	-	-	Yes
S4330-54TGXF	216Gbps	32	16	4	1	-	-	-	-	Yes

S3230 & S3330 Series

Overview

Maipu S3330 and S3230 series switch are new generation high-performance Ethernet switches for various industries, designed for gigabit L3 lite access layer in large campus networks. They provide comprehensive security and reliability from hardware to software.

Key Feature

- Software-Defined Network (SDN)
- Stacking Technologies for Virtualization
- IPv4/IPv6 Dual Stack
- PoE/PoE+ Enable
- Complete L2 Features
- Green and Energy-Saving

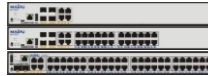| Model	Switch Capacity	GE Base-T	GE SFP	10GE SFP+	10GE Expansion Slot	PoE Ports	Maximum PoE Budget	Single Power (Fixed)	Dual Power (Fixed)	Dual Power (Modular)
S3230-28TXP-AC	128Gbps	24	-		-	24	380W	Yes	-	-
S3230-54TXP-AC	216Gbps	48	-	4	1	48	760W	Yes	-	-
S3330-12TXP-AC	96Gbps	8	-	4	-	8	125W	Yes	-	-
S3330-28TXP-AC	128Gbps	24	-	4	-	24	380W	-	Yes	-
S3330-54TXP	216Gbps	48	-	4	1	48	760W	-	-	Yes
S3230-28TXF-AC	128Gbps	24	-	4	-	-	-	Yes	-	-
S3230-54TXF-AC	216Gbps	48	-	6	-	-	-	Yes	-	-
S3330-12TXF-AC	96Gbps	8	-	4	-	-	-	Yes	-	-
S3330-28TXF-AC	128Gbps	24	-	4	-	-	-	-	Yes	-
S3330-54TXF-AC	216Gbps	48	-	6	-	-	-	-	Yes	-
S3330-28GXF-AC	128Gbps	-	24	4	-	-	-	-	Yes	-
S3330-28GXF-DC48	128Gbps	-	24	4	-	-	-	Yes	-	-

Enterprise Router

MP Series | NSR Series

Maipu Enterprise VPN Core Router

MP7500X-10
- Distribute Architecture
- 10*Service Slots
- VPN Core Router

MP7500X-04
- Distribute Architecture
- 4*Service Slots
- VPN Core Router

NSR8000X-08
- Distribute Architecture
- 10*Service Slots
- VPN Core Router

Maipu Enterprise VPN Aggregation Router

MP7300X-08
- Upgradable Engines
- 8*Service Slots
- VPN Aggregation Router

MP3900X-08
- Upgradable Engines
- 8*Service Slots
- VPN Aggregation Router

NSR7300X-08
- Upgradable Engines
- 8*Service Slots
- VPN Aggregation Router

NSR3900X-X4
- Fixed 1/10/25G WAN&LAN
- 4*Service Slots
- VPN Aggregation Router

Maipu Enterprise VPN Access Router

MP2900X Series
- Fixed 4*1G WAN
- Fixed 0/24/48*1G LAN
- 4*Service Slots
- VPN Access Router

MP1900X Series
- Fixed 1/5*1G WAN
- Fixed 8*1G LAN
- 2*Service Slots
- VPN Access Router

NSR2900X Series (Q2)
- Fixed 2*10G + 4*1G WAN
- Fixed 24/48*1G LAN
- 4*Service Slots
- VPN Access Router

NSR1900X Series (Q2)
- Fixed 2*10G + 8*1G WAN
- Fixed 8*1G LAN
- 2*Service Slots
- VPN Access Router

Maipu Enterprise VPN Edge Router

MP1800X-55 Series
- Fixed 5*1G WAN&LAN
- Fixed 1*5G Modem
- 1* SIM Slot
- VPN 5G NR Router

MP1800X-50 Series
- Fixed 1*1G WAN
- Fixed 4*1G WAN&LAN
- VPN Access Router

MP1800X-40 Series
- Fixed 5*1G WAN&LAN
- Fixed 1/2*LTE Modems
- 2*SIM Slots
- VPN LTE Router

Application Scenario

Supports various VPN technologies such as MPLS, DMVPN, IPSEC, GRE, ensuring information security.

Enterprise DMVPN Solution
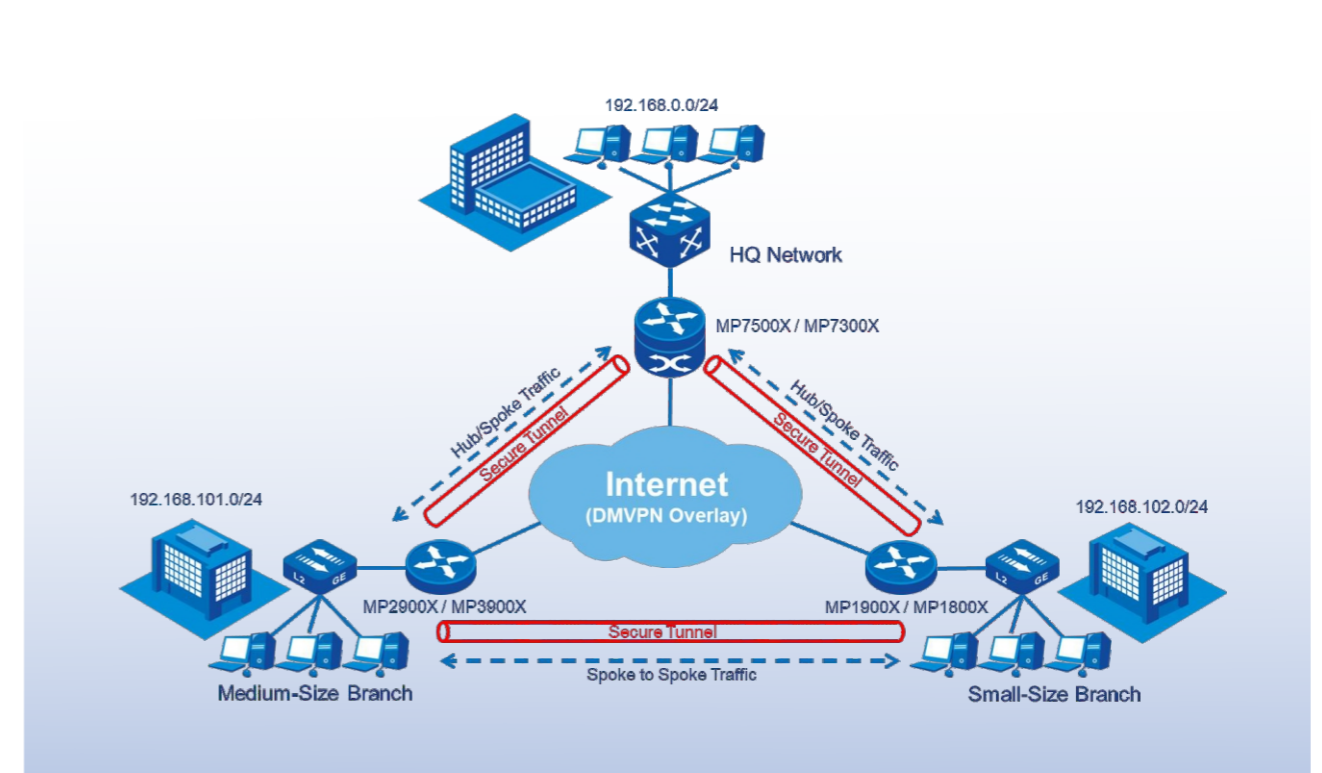
Router Product Network Architecture

Maipu enterprise router products adopt a typical hierarchical network architecture, mainly including:

Core layer: High-end core routers are deployed in enterprise HQ to provide large-scale routing information learning and forwarding functions.

Aggregation layer: Medium-level aggregation routers are deployed in the branch to aggregate access layer devices and connect to the core layer. It provides high-density electrical interfaces and is responsible for aggregating routes and packets.

Access layer: Entry-level access routers are deployed in the office and provide network access and connect to the aggregation layer.

Maipu enterprise router product line realizes routing interconnection from the network edge to the core through this hierarchical architecture, providing one-stop solutions from small-scale access to large-scale core. Routers at all levels match in performance and density, interact up and down, and synchronize routing information and configurations. This clearly structured router network architecture effectively improves network scalability and manageability. Maipu enterprise router products have high performance, high stability and rich features to fully meet the needs of next-generation networks.

Core Router

NSR8000X Series

Overview

Maipu NSR8000X series core router is Maipu new product. Based on the ATCA structure design and meeting the users' high-performance requirements, it provides the full redundancy design for the whole system, providing users with the high reliability and stability. Multiple high-speed port configurations offer customers more choices.

Key Feature

- Flexible Uplink Link (Ethernet/E1/CE1/POS/CPOS)
- Complete VPN Features without License
- Redundant Control & Switching Engines
- Full Modular Design

Model	Slot					Maximum Port		Height
	Control Engine	Switching Fabric	SPU Card	Power	Fan	100G/40G	10G	
NSR8000X-08	2	6	8	6	3	8	80	16U

MP7500X Series

Overview

Maipu MP7500X series core router is based on the ATCA structure design and meeting the users' high-performance requirements, it provides the full redundancy design for the whole system, providing users with the high reliability and stability. Multiple SPU engine design can protect the customer investment.

Key Feature

- Flexible Uplink Link (Ethernet/E1/CE1/POS/CPOS)
- Complete VPN Features without License
- Redundant Control & Switching Engines
- Full Modular Design

Model	Slot						Maximum Port			Height
	Control Engine	Switching Fabric	SPU Card	Sub Slots	Power	Fan	40G	10G	1G	
MP7500X-04	2	2	4	16	4	1	4	64	128	10U
MP7500X-10	2	2	10	40	8	2	20	160	320	17U

Aggregation Router

MP7300X & NSR7300X Series

Overview

Maipu MP7300X and NSR7300X Series are new generation aggregation routers, they provide redundant control engines design, providing users with the high reliability and stability. Multiple SPU engine design can protect the customer investment.

Key Feature

- Flexible Uplink Link (Ethernet/E1/CE1/POS/CPOS)
- Complete VPN Features without License
- Redundant Control Engines
- Full Modular Design

Model	Slot					Maximum Port			Height
	Control Engine	SPU Card	Line Card Slots	Power	Fan	100G/40G	10G	1G	
MP7300X-08	2	1	8	2	1	-	32	64	5U
NSR7300X-08	2	1	8	2	1	1	36	92	5U

MP3900X & NSR3900X Series

Overview

Maipu MP3900X and NSR3900X Series are new generation aggregation routers, they provide full modular design, providing users with the high reliability and scalability. MP3900X multiple SPU engine design can protect the customer investment.
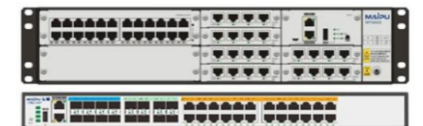
Key Feature

- Flexible Uplink Link (Ethernet/E1/CE1/POS/CPOS/4G/5G)
- Complete VPN Features without License
- Full Modular Design

Model	SPU Slot	VPN Features					Maximum Port					Height
		IPSec	DMVPN	GRE	L2TP	MPLS	25G	10G	1G	Slots	Power	
NSR3900X-X4	-	Yes	Yes	Yes	Yes	Yes	8	8	40	4	2	1U
MP3900X-08	1	Yes	Yes	Yes	Yes	Yes	-	4	48	8	2	2U

Access Router

MP2900X & NSR2900X Series

Overview

Maipu MP2900X and NSR2900X Series are new generation access routers, they integrate various WAN network technologies, such as Ethernet, E1/CE1, 5G/4G network, to provide flexible access modes for enterprise users. MP2900X and NSR2900X integrate 24/48 LAN port, they will save customer budget and maintenance cost.

Key Feature

- Flexible Uplink Link (Ethernet/E1/CE1/POS/CPOS/4G/5G)
- Complete VPN Features without License
- Inbuilt 24/48 Gigabit LAN Ports
- Modular Design

Model	VPN Features					Maximum Port					Height
	IPSec	DMVPN	GRE	L2TP	MPLS	10G WAN	1G WAN	1G LAN	Slots	Power	
MP2900X-04D	Yes	Yes	Yes	Yes	Yes	-	20	-	4	2	1U
MP2900X-14D	Yes	Yes	Yes	Yes	Yes	-	20	24	4	2	1U
MP2900X-24D	Yes	Yes	Yes	Yes	Yes	-	20	48	4	2	1U
NSR2900X-14D	Yes	Yes	Yes	Yes	Yes	2	22	24	4	2	1U
NSR2900X-24D	Yes	Yes	Yes	Yes	Yes	2	20	48	4	2	1U

MP1900X & NSR1900X Series

Overview

Maipu MP1900X and NSR1900X Series are new generation access routers, they integrate various WAN network technologies, such as Ethernet, E1/CE1, 5G/4G network, to provide flexible access modes for enterprise users. MP1900X and NSR1900X integrate 8 LAN port, they will save customer budget and maintenance cost.

Key Feature

- Flexible Uplink Link (Ethernet/E1/CE1/POS/CPOS/4G/5G)
- Complete VPN Features without License
- Inbuilt 8 Gigabit LAN Ports
- Modular Design

Model	VPN Features					Maximum Port					Height
	IPSec	DMVPN	GRE	L2TP	MPLS	10G WAN	1G WAN	1G LAN	Slots	Power	
MP1900X-12	Yes	Yes	Yes	Yes	Yes	-	9	8	2	1	1U
MP1900X-22	Yes	Yes	Yes	Yes	Yes	-	13	8	2	1	1U
NSR1900X-22	Yes	Yes	Yes	Yes	Yes	2	16	8	2	1	1U

MP1800X Series

Overview

Maipu MP1800X Series edge router developed by Maipu is one new-generation enterprise-class LTE/5G edge router, applicable to enterprise mobile offices. It can provide up to two LTE modems to provide the redundant mobile access for the users.

Key Feature

- One 5G NR Uplink (MP1800X-55)
- One or Two LTE Uplink (MP1800X-40/40E/40W)
- Complete VPN Features without License
- Up to 60℃ Working Temperature
- External Antenna Design

Model	VPN Features					Maximum Port				Height	Temperature
	IPSec	DMVPN	GRE	L2TP	MPLS	1G	5G	LTE	WI-FI		
MP1800X-55	Yes	Yes	Yes	Yes	Yes	5	1	-	-	1U	-20℃ ~ 60℃
MP1800X-50	Yes	Yes	Yes	Yes	Yes	5	-	-	-	1U	0℃ ~ 45℃
MP1800X-51	Yes	Yes	Yes	Yes	Yes	6	-	-	-	1U	0℃ ~ 45℃
MP1800X-40	Yes	Yes	Yes	Yes	Yes	5	-	1	-	1U	-20℃ ~ 60℃
MP1800X-40W	Yes	Yes	Yes	Yes	Yes	5	-	1	Yes	1U	-20℃ ~ 60℃
MP1800X-40E	Yes	Yes	Yes	Yes	Yes	5	-	2	-	1U	-20℃ ~ 60℃

CAMPUS WIRELESS

Maipu Enterprise Access Controller Product Family

WNC6600-2000-AC

-CAPWAP Architecture
-Max. Managed 2048 Units AP
-Rich Authentication Modes
-RF Management
-QoS Management
-STA Management
-Security Control

WNC6600-1000-AC

-CAPWAP Architecture
-Max. Managed 1024 Units AP
-Rich Authentication Modes
-RF Management
-QoS Management
-STA Management
-Security Control

WNC6600-500-AC

-CAPWAP Architecture
-Max. Managed 512 Units AP
-Rich Authentication Modes
-RF Management
-QoS Management
-STA Management
-Security Control

WNC6600-200-AC

-CAPWAP Architecture
-Max. Managed 256 Units AP
-Rich Authentication Modes
-RF Management
-QoS Management
-STA Management
-Security Control

Maipu Enterprise 802.11ax Access Point Product Family

WA2600-815-PE

-Wall Mount AP
-802.11ax
-2:2*2 MU-MIMO
-1800Mbps

WA2600-825-PE

-Wall Mount AP
-802.11ax
-2:2*2 MU-MIMO
-3000Mbps

WA2600-821-PE

-Ceiling Mount AP
-802.11ax
-2:2*2 MU-MIMO
-1800Mbps

WA2600-822/823-PE

-Ceiling Mount AP
-802.11ax
-2:2*2 MU-MIMO
-3000Mbps

WA2600-826-PTE

-Pole Mount AP
-802.11ax
-2:2*2 MU-MIMO
-1800Mbps
-IP68 Protection

WA2600-830-PTE

-Ceiling Mount AP
-802.11ax
-3:2*2 MU-MIMO
-5400Mbps

Application Scenario

802.11ax Technology Advantages

The Advantage of
802.11AX VS 802.11AC

52% faster than Wi-Fi5:
1024-QAM high-order modulation, OFDMA and MU-MIMO technologies;
Double the capacity for more devices:
intelligent frequency division, supporting simultaneous and concurrent connection of multiple devices;
Reduce latency by 75%:
multi-device concurrency, greatly reducing device waiting time;

	802.11ac / 802.11ax	
Connection Speed		52% Faster
Network Capacity		2x Improvement
Latency		75% reduced

802.11ax with OFDMA

802.11ac

Client 1
Client 2
Client 3

Client 1
Client 2
Client 3
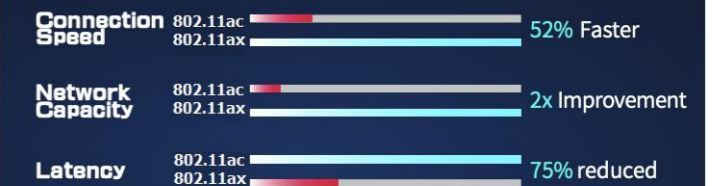
Ceiling Mount AP

Wall Mount AP

WA2600 Ceiling AP Series

WA2600 WALL AP Series

Overview

WA2600-821/822/823-PE and WA2600-830-PTE 802.11ax wireless access point are indoor ceiling mounted AP devices developed by Maipu, which support the latest technical standard 802.11ax with built-in antenna. They are suitable for regional coverage deployment for various scenarios such as enterprise office, government, education, etc.

Overview

WA2600-815/825-PE 802.11ax wireless access point is an indoor wall mounted AP device developed by Maipu, which supports the latest technical standard 802.11ax with built-in antenna. It is suitable for small room coverage deployment for various scenarios such as small office room, hotel guest room, etc.

Key Feature

- Support Latest 802.11ax MU-MIMO Technology
- Building Integrated Intelligent Antenna
- Auto Registration by FIT Working Mode
- Central Managed by WNC6600 Series Access Controller

Key Feature

- Support Latest 802.11ax MU-MIMO Technology
- Building Integrated Intelligent Antenna
- Auto Registration by FIT Working Mode
- Central Managed by WNC6600 Series Access Controller

Model	Wireless Standard	Wireless Throughput	Band	Stream	Antenna	Interface
WA2600-821-PE	802.11ax	1800Mbps	DualBand (2.4GHz+5GHz)	2:2*2 MU-MIMO	Integrated	1*GE(PoE)+ 1*GE
WA2600-822/823-PE	802.11ax	3000Mbps	DualBand (2.4GHz+5GHz)	2:2*2 MU-MIMO	Integrated	1*GE(PoE)+ 1*GE
WA2600-830-PTE	802.11ax	5400Mbps	Triple Band (2.4GHz+5.2GHz+5.8GHz)	3:2*2 MU-MIMO	Integrated	1*2.5GE(PoE) +1*GE

Model	Wireless Standard	Wireless Throughput	Radio	Stream	Antenna	Interface
WA2600-815-PE	802.11ax	1800Mbps	DualBand (2.4G+5G)	2:2*2 MU-MIMO	Integrated	1*GE(PoE)+4*GE
WA2600-825-PE	802.11ax	3000Mbps	DualBand (2.4G+5G)	2:2*2 MU-MIMO	Integrated	1GE*(PoE)+4*GE

Outdoor Pole Mount AP

WA2600 Outdoor AP Series

Overview

WA2600-726-PTE 802.11ax wireless access point is an outdoor pole mounted AP device developed by Maipu, which supports the latest technical standard 802.11ax with built-in antenna. It is suitable for outdoor coverage deployment for various scenarios such as parking place, school playground, factory, stadium, etc.

Key Feature

- Support 802.11ax MU-MIMO Technology
- Building Directional Intelligent Antenna
- Auto Registration by FIT Working Mode
- IP68 Protection for Outdoor Environment
- Central Managed by WNC6600 Series Access Controller

Model	Wireless Standard	Wireless Throughput	Radio	Stream	Antenna	Interface
WA2600-726-PTE	802.11ax	1800Mbps	DualBand (2.4G+5G)	2:2*2 MU-MIMO	Integrated Directional	1*GE Combo (PoE)+1*GE

Wireless Controller Series

WNC6600 Access Controller Series

Overview

WNC6600 series developed by Maipu is wireless access controller that centrally manages WA2600 series access points and wireless clients while offering a wide range of service options. WNC6600's advanced software capabilities provide load balancing, automatic fault recovery, intelligent RF management, and L2&L3 roaming and authentication.

Key Feature

- Central Managed Through CAPWAP Technology
- Seamless L2/L3 Roaming Available
- Load Balancing Supported
- Wireless RF Management
- Rich Authentication Methods
- WIDS Wireless Security Prevention
- High Availability with 1:1/1+1 Redundancy

Model	Interfaces				Default Managed AP	Maximum Managed AP	Authentication (Work with AAS)
	1G Base-T	1G SFP	10G SFP+	Power Supply			
WNC6600-200-AC	8	2	N/A	One Fixed Power	64	256	Portal/802.1X/PSK
WNC6600-500-AC	12	12*Combo	2	Dual Module Power	64	512	Portal/802.1X/PSK
WNC6600-1000-AC	12	12*Combo	2	Dual Module Power	128	1024	Portal/802.1X/PSK
WNC6600-2000-AC	12	12*Combo	2	Dual Module Power	128	2048	Portal/802.1X/PSK

Cloud Wireless

Maipu Enterprise Access Controller Product Family

IGW500-1500
- 8*GET+2GEF
- Access Controller
- Portal/802.1X/PSK
- PPPoE/NAT/DHCP
- Cloud Manageable

IGW500-1000
- 8*GET+2GEF
- Access Controller
- Portal/802.1X/PSK
- PPPoE/NAT/DHCP
- Cloud Manageable

IGW500-500
- 8*GET+2GEF
- Access Controller
- Portal/802.1X/PSK
- PPPoE/NAT/DHCP
- Cloud Manageable

IGW500-200/200-P
- 4*GET+8GET(8*PoE)
- Access Controller
- Portal/802.1X/PSK
- PPPoE/NAT/DHCP
- Cloud Manageable

IGW500-100/100-P
- 1*GET+4*GET(4*PoE)
- Access Controller
- Portal/802.1X/PSK
- PPPoE/NAT/DHCP
- Cloud Manageable

Maipu Enterprise Access Controller Product Family

IAP300-815-PE
- Wall Mount
- 802.11ax 1800Mbps
- 2*GE/5*GE
- PoE Enable
- Cloud Management

IAP300-821-PE
- Ceiling Mount
- 802.11ax 1800Mbps
- 2*GE
- PoE Enable
- Cloud Management

IAP300-822-PE
- Ceiling Mount
- 802.11ax 3000Mbps
- 1*GE
- PoE Enable
- Cloud Management

IAP300-826-PTE
- Outdoor Pole Mount
- 802.11ax 1800Mbps
- 1*GE + 1*GE Combo
- PoE Enable
- Cloud Management

IAP300-830-PTE
- Ceiling Mount
- 802.11ax 5400Mbps
- 2.5*GE + 1*GE
- PoE Enable
- Cloud Management

Typical Applications

Small Office | Villa | ChainStore | Restaurant

Resort | Boutique Hotel | K12 School | Supermarket

Ceiling Mount AP

IAP300 Ceiling AP Series

Overview

IAP300-821/822-PE and IAP300-830-PTE 802.11ax wireless access points are indoor ceiling mounted AP devices developed by Maipu, which support the latest technical standard 802.11ax with built-in antenna. They are suitable for regional coverage deployment for various scenarios such as school, mall, hospital, hotel, chain store, etc.

Key Feature

- 802.11ax MU-MIMO Technology
- Ceiling Mounted Installation
- FIT Working Mode
- IGW500 Controller Management
- Cloud Manageable

Model	Wireless Standard	Wireless Throughput	Band	Stream	Antenna	Interface
IAP300-821-PE	802.11ax	1800Mbps	Dual Band (2.4GHz+5GHz)	2:2*2 MU-MIMO	Integrated	1*GE(PoE)+ 1*GE
IAP300-822-PE	802.11ax	3000Mbps	Dual Band (2.4GHz+5GHz)	2:2*2 MU-MIMO	Integrated	1*GE(PoE)
IAP300-830-PTE	802.11ax	5400Mbps	Triple Band (2.4GHz+5.2GHz+5.8GHz)	3:2*2 MU-MIMO	Integrated	1*2.5GE(PoE)+ 1*GE

Wall Mount AP

IAP300 WALL AP Series

Overview

IAP300-815-PE 802.11ax wireless access point is an indoor wall mounted AP device developed by Maipu, which supports the latest technical standard 802.11ax with built-in antenna. It is suitable for regional coverage deployment for various scenarios such as school, mall, hospital, hotel, chain store, etc.

Key Feature

- 802.11ax MU-MIMO Technology
- Wall Mounted Installation
- FIT Working Mode
- IGW500 Controller Management
- Cloud Manageable

Model	Wireless Standard	Wireless Throughput	Radio	Stream	Antenna	Interface
IAP300-815-PE(V2)	802.11ax	1800Mbps	Dual Band (2.4G+5G)	2:2*2 MU-MIMO	Integrated	1*GE(PoE)+1*GE
IAP300-815-PE(V3)	802.11ax	1800Mbps	Dual Band (2.4G+5G)	2:2*2 MU-MIMO	Integrated	1GE*(PoE)+4*GE

Outdoor Pole Mount AP

IAP300 Outdoor AP Series

Overview

IAP300-826-PTE 802.11ax wireless access point is an outdoor pole mounted AP device developed by Maipu, which supports the latest technical standard 802.11ax with built-in antenna. It is suitable for outdoor coverage deployment for various scenarios such as parking place, school playground, factory, stadium, etc.

Key Feature

- 802.11ax MU-MIMO Technology
- Pole Mounted Installation
- FIT Working Mode
- IGW500 Controller Management
- Cloud Manageable
- IP68 Protection for Outdoor Environment

Model	Wireless Standard	Wireless Throughput	Radio	Stream	Antenna	Interface
IAP300-826-PTE	802.11ax	1800Mbps	DualBand (2.4G+5G)	2:2*2 MU-MIMO	Integrated Directional	1*GE Combo (PoE)+1*GE

Internet Gateway

IGW500-1500/1000/500 Internet Gateway Series

Overview

IGW500-1500/1000/500 series developed by Maipu is internet gateway that centrally manages IAP300 series access points and wireless clients for large or medium-sized campus network. IGW500 series provides advanced software features such as Roaming, RF management, Load-balancing, QoS and authentication.

Key Feature

- PPPoE/NAT/PBR/ACL Routing Features
- Gateway and Controller Working Modes
- Rich Wireless Features
- Rich Security Features
- Rich Authentication Methods

Model	Interfaces				Managed AP Number		Authentication
	1G Base-T	1G SFP	USB	Power Supply	Gateway Mode	Controller Mode	
IGW500-500	8	2	1	One AC	32	128	Portal/802.1X/PSK
IGW500-1000	8	2	1	One AC	64	256	Portal/802.1X/PSK
IGW500-1500	8	2	1	One AC	128	512	Portal/802.1X/PSK

IGW500-200 Internet Gateway Series

Overview

IGW500-200 series developed by Maipu is internet gateway that centrally manages IAP300 series access points and wireless clients for small-sized campus network. IGW500 series provides advanced software features such as Roaming, RF management, Loadbalancing, QoS and authentication.

Key Feature

- PPPoE/NAT/PBR/ACL Routing Features
- Gateway and Controller Working Modes
- Rich Wireless Features
- Rich Security Features
- Rich Authentication Methods

Model	Interfaces				Managed AP Number		Authentication
	1G Base-T LAN	PoE Enable	1G Base-T WAN	Power Supply	Gateway Mode	Controller Mode	
IGW500-200	8	–	4	One AC	16	64	Portal/802.1X/PSK
IGW500-200-P	8	Yes	4	One Adaptor	16	64	Portal/802.1X/PSK

IGW500-100 Internet Gateway Series

Overview

IGW500-100 series developed by Maipu is internet gateway that centrally manages IAP300 series access points and wireless clients for branch office network. IGW500 series provides advanced software features such as Roaming, RF management, Load-balancing, QoS and authentication.

Key Feature

- PPPoE/NAT/PBR/ACL Routing Features
- Gateway and Controller Working Modes
- Rich Wireless Features
- Rich Security Features
- Rich Authentication Methods

Model	Interfaces				Managed AP Number		Authentication
	1G Base-T LAN	PoE Enable	1G Base-T WAN	Power Supply	Gateway Mode	Controller Mode	
IGW500-100	4	–	1	One AC	16	32	Portal/802.1X/PSK
IGW500-100-P	4	Yes	1	One Adaptor	16	32	Portal/802.1X/PSK

SAN Storage

Maipu SAN Controller Family

MPS5580G2
- Dual-Processors
- Disk-Host Seperated
- 24*IO Module Slots

MPS5520G2
- Dual-Processors
- Disk-Host Integrated
- 6*IO Module Slots

MPS2500G2
- Dual-Processors
- Disk-Host Integrated
- 2*IO Module Slots

Maipu Disk Array Family

Dsu2725/2725b
- 4*48Gbps Mini SAS HD Interfaces
- 24*3.5"/2.5" Disk Slots

Dsu2624/2624b
- 4*48Gbps Mini SAS HD Interfaces
- 25*2.5" Disk Slots

Dsu5625/5625b
- 4*48Gbps Mini SAS HD Interfaces
- 25*NVMe Disk Slots

Advanced SAN Solutions

Maipu offers high-performance storage systems designed to ensure the secure and efficient operation of enterprise data centers. These systems feature a variety of network interfaces, catering to diverse network environments and requirements. The high-speed hardware platform supports a range of storage functions including data backup, recovery, and disaster management.

The storage architecture is modular, enabling flexible feature expansion to accommodate different network scales and business needs. It also provides a powerful, yet user-friendly management interface for centralized configuration, monitoring, and logging of all activities. Enhanced network log and packet capture capabilities facilitate in-depth network status analysis and retrospective investigations.

Ease of use and simplicity are key design principles, allowing users to quickly configure and deploy the storage systems without extensive knowledge of network protocols or architecture. This ensures that the network environments meet security baselines and compliance standards.

Maipu's storage solutions offer stable and reliable data protection for customers, forming an essential component of an effective network infrastructure.

MPS5500G2 Series

Overview

MPS5500G2 series developed by Maipu is SAN storage controller that adopts advanced design concepts and technical architecture. MPS5500G2 series has high stability and reliability, and is widely used in government, finance, education, medical treatment power and energy industries.

Key Feature

- High-End Storage with Super Cache
- Tested Stability and Reliability
- Flash-Oriented Smart Storage Platform
- Rich Functions

Model	Max.cache (Per Dual-Control)	Slot								Height
		SPU	Power Module	Fan Module	Battery Module	IO	Disk	10G	1G	
MPS5520G2	1536Gbps	2	2	2	5	24	–	8	6	4U
MPS5580G2	1536Gbps	2	2	2	2	6	24	–	–	5U

MPS2500G2 Series

Overview

MPS2500G2 series SAN storage controller developed by Maipu, with its leading hardware architecture and rich software functions, can meet avariety of data center application scenarios. such as database, centralized online storage, backup storage disaster recovery and data migration with increasing high storage requirements, to ensure no data loss and service continuity.

Key Feature

- Flexible Choice
- Powerful Scalability
- High Reliability
- Flash-Oriented Smart Storage Platform
- Rich Functions

Model	Max.cache (Per Dual-Control)	Slot								Height
		SPU	Power Module	Fan Module	Battery Module	IO	Disk	10G	1G	
MPS2500G2	256Gbps	2	2	2	5	2	24	4	14	5U

Disk

DSU2000 & DSU5000 Series

Overview

DSU2000 and DSU5000 series developed by Maipu offer top-notch hardware and comprehensive software features. Ideal for data centers, they support applications like databases, online storage, backup, disaster recovery, and data migration. Designed for high storage demands, it ensures data safety and continuous service.

Key Feature

- Efficient Performance
- Robust Security
- Flexible Configuration
- Advanced Data Management
- Energy Efficient

Model	EP (Expander Processor)	Power Module	Fan Module	Battery Module	SAS	Slot for Disk	Height
DSU2624	2	2	2	-	4*48Gbps Mini SAS HD Interface	24*3.5"/2.5"	U
DSU2624B	2	2	2	2	4*48Gbps Mini SAS HD Interface	24*3.5"/2.5"	4U
DSU2725	2	2	2	-	4*48Gbps Mini SAS HD Interface	25*2.5"	2U
DSU2725B	2	2	2	2	4*48Gbps Mini SAS HD Interface	25*2.5"	2U
DSU5625	2	2	2	-	-	25*NVMe	2U
DSU5625B	2	2	2	2	-	25*NVMe	2U

Server

Maipu Server Product Family

MPS201D08R-G3

-1/2* Intel 3rd Generation Xeon Scalable Processors
-16*DDR4 memory slots, up to 2933MHz
-8*3.5/2.5 inches SAS/SATA/U.2 + 2*2.5 inch SAS/SATA/U.2 slots
-3*Mini SAS HD + 2*SATA DOM + 1*M.2 interfaces

MPS4110G-D04R-G3

-1/2*Intel 3rd Generation Xeon Scalable Processors
-16 DDR4 DMMI slots, up to 3200MHz
-4*3.5/2.5 inches SAS/SATA + 2*3.5/2.5 inches SAS/SATA slots
-3*Mini SAS HD + 2*SATA DOM + 1*M.2 interfaces

MPS201D12R-G3

-1/2* Intel 3rd Generation Xeon Scalable Processors
-16*DDR4 memory slots, up to 2933MHz
-12*3.5/2.5 inches SAS/SATA/U.2 + 2*2.5 inch SAS/SATA/U.2 slots
-3*Mini SAS HD + 2*SATA DOM + 1*M.2 interfaces

MPS4110G-D10R-G3

-1/2*Intel 3rd Generation Xeon Scalable Processors
-16 DDR4 DMMI slots, up to 3200MHz
-10*3.5/2.5 inches SAS/SATA + 2*3.5/2.5 inches SAS/SATA slots
-3*Mini SAS HD + 2*SATA DOM + 1*M.2 interfaces

Highlights

Advanced Processing Capabilities: Equipped with dual-socket support for Intel's 3rd Generation Xeon Scalable processors, delivering outstanding computational performance for data-intensive tasks.

Robust Memory Expansion: Features 16 DDR4 DIMM slots with support for high-frequency memory, providing 8 channels per CPU to ensure efficient data processing.

Flexible Storage Solutions: Front and rear hot-swap drive bays for 2.5/3.5-inch SAS/SATA drives, facilitating easy expansion and maintenance.

Superior Expandability: Offers multiple standard PCIe 3.0 expansion slots, along with PCIe 3.0 x8 and half-height PCIe 4.0 x16 slots, meeting diverse expansion requirements.

Security and Reliability: Supports TPM modules to enhance hardware security, safeguarding data and system integrity.

Server Series

MPS201 Series

Overview

MPS201 is a high-end 2U dual-socket standard server, which is designed for virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise market, or telecom business application needs.

Key Feature

- Dual-Sockets for Intel® 3rd Generation Xeon® Scalable Processors
- PCIe Expansion Slot Up to 10
- 2 Full-Height & Full-Width High-Performance GPU Cards for High Computing Power

Model	Memory		Internal Storage			External Storage		Fan	Height
	Slots	Frequency	SAS HD	SATA DOM	M.2	Front	Rare		
MPS201D08R-G3	16 DDR4	2400/2666/2933	3	2	1	8*3.5/2.5inches SAS/SATA/U.2	2*2.5 inches SAS/SATA/U.2	3	2U
MPS201D12R-G3	16 DDR4	2400/2666/2933	3	2	1	12*3.5/2.5inches SAS/SATA/U.2	2*2.5 inches SAS/SATA/U.2	3	2U

MPS4110G Series

Overview

MPS4110G series enterprise server is a full-featured, enterprise-level server offering high performance, high-speed memory and capacity, I/O bandwidth, and storage to address data requirements. It is ideal for Traditional IT infrastructure, Database/Analytics, and Virtual Desktops.

Key Feature

- Dual-Sockets for Intel® 3rd Generation Xeon® Scalable Processors
- 10 Slots of Double-Wide PCIe Gen3

Model	Memory		Internal Storage			External Storage		Fan	Height
	Slots	Frequency	SAS HD	SATA DOM	M.2	Front	Rare		
MPS4110G-D04R-G3	16 DDR4	2666/2933/3200	3	2	1	4*3.5/2.5inches SAS/SATA	2*3.5/2.5 inches SAS/SATA	8+3	4U
MPS4110G-D10R-G3	16 DDR4	2666/2933/3200	3	2	1	10*3.5/2.5inches SAS/SATA	2*3.5/2.5 inches SAS/SATA	8+3	4U

Load Balancer

Maipu Enterprise Load Balancer Product Family

ISG1000-AD-10/20
- 6*GE RJ45 Ports + 4*GE SFP Ports
- 2*Extension WAN Slots (4*10GEF/2*10GEF/8*GET/8*GEF)
- Redundant Power Supply

ISG1000-AD-30/40
- 4*Extension WAN Slots (2*40GEF/2&4*10GEF/8*GET/8*GEF)
- Redundant Power Supply

ISG1000-AD-60/80
- 6*Extension WAN Slots (2*40GEF/2&4*10GEF/8*GET/8*GEF)
- Redundant Power Suppl

ISG1000-AD-25N
- 6*GE RJ45 Ports + 4*GE SFP Ports
- 2*Extension WAN Slots (4*10GEF/2*10GEF/8*GET/8*GEF)
- Redundant Power Supply

ISG1000-AD-45N
- 6*GE RJ45 Ports + 4*GE SFP Ports
- 2*Extension WAN Slots (4*10GEF/2*10GEF/8*GET/8*GEF)
- Redundant Power Supply

ISG1000-AD-60N
- 6*Extension WAN Slots (2*40GEF/2&4*10GEF/8*GET/8*GEF)
- Redundant Power Supply

Advanced Load Balance Solution

The Maipu Load Balancer is a paradigm of network efficiency and performance, designed for high-demand environments. With a foundation built on state-of-the-art multi-core processors and a proprietary software operating system, this gateway is engineered to deliver uncompromising application usability and reliability.

As a leading solution in the field, the Maipu Load Balancer offers a robust set of features and an adaptable script customization function. This flexibility allows for seamless integration into diverse business environments. Designed to enhance user experiences, It supports cutting-edge application optimization technologies, ensuring that users can access critical applications with maximum speed and efficiency. Moreover, the Maipu Load Balancer is fortified with advanced security measures, guaranteeing the continuous operation of key services even in the face of potential threats.

Maipu Load Balancer is a high-performance solution, setting the standard for load balancing technology with its unmatched performance, adaptability, and security features.

Load Balancer Series

MPSec ISG1000-AD Series

Overview

MPSec ISG1000-AD series Load Balancer is developed from Maipu. It represents the pinnacle of load balancing technology. It excels in versatility with scalable performance options, catering to everything from bustling e-commerce platforms to expansive data centers, ensuring peak performance and reliability across diverse network demands.

Key Feature

- Superior Load Balancing Processing Performance
- Comprehensive Functional Support
- System High Availability
- Robust Security Protection
- Easy Deployment and Maintenance

Model	Performance				Interface			
	Layer4 Throughput	Layer7 Throughput	CPS	RPS	1G SFP	1G RJ45	Extension Slots	Power Slots
MPSec ISG1000-AD-10	10Gbps	10Gbps	250K	350K	4	6	2	Dual
MPSec ISG1000-AD-20	20Gbps	20Gbps	400K	500K	4	6	2	Dual
MPSec ISG1000-AD-30	30Gbps	25Gbps	600K	700K	-	-	4	Dual
MPSec ISG1000-AD-40	40Gbps	30Gbps	700K	900K	-	-	4	Dual
MPSec ISG1000-AD-60	60Gbps	50Gbps	900K	1.2M	-	-	6	Dual
MPSec ISG1000-AD-80	80Gbps	60Gbps	1.0M	1.5M	-	-	6	Dual

MPSec ISG1000-AD-N Series

Overview

MPSec ISG1000-AD-N series Load Balancer is developed from Maipu. It lineup stands out for its adaptability, offering a broad range of configurations to seamlessly support high-volume online services, complex data infrastructures, and mission-critical operations with reliable, high-capacity network management.

Key Feature

- Superior Load Balancing Processing Performance
- Comprehensive Functional Support
- System High Availability
- Robust Security Protection
- Easy Deployment and Maintenance

Model	Performance				Interface			
	Layer4 Throughput	Layer7 Throughput	CPS	RPS	1G SFP	1G RJ45	Extension Slots	Power Slots
MPSec ISG1000-AD-25N	25Gbps	15Gbps	300K	400K	4	6	2	Dual
MPSec ISG1000-AD-45N	45Gbps	36Gbps	600K	700K	4	6	2	Dual
MPSec ISG1000-AD-60N	60Gbps	45Gbps	900K	1.0M	-	-	4	Dual

Security

Maipu Enterprise Firewall Product Family

MPSec MSG4000-X1
- Next Generation Firewall
- 22Gbps Firewall Performance
- APP/AV/IPS/URL Identification
- Modular Power

MPSec MSG4000-G6
- Next Generation Firewall
- 15Gbps Firewall Performance
- APP/AV/IPS/URL Identification
- Modular Power

MPSec MSG4000-G2
- Next Generation Firewall
- 8Gbps Firewall Performance
- APP/AV/IPS/URL Identification
- Modular Power

MPSec MSG4000-G1
- Next Generation Firewall
- 2.6Gbps Firewall Performance
- APP/AV/IPS/URL Identification
- Fixed Single Power

Advanced Firewall Solutions

Maipu provide high-performance next generation firewalls designed to ensure the secure and stable operation of enterprise networks. The products feature various network interface types and suit different network environments and requirements. The high-speed hardware platform implements multiple security functions such as access control and attack detection and filtering.

The firewall adopts a modular architecture to support flexible feature expansion to adapt to different network sizes and business models. It also provides a powerful yet user-friendly management interface that enable centralized configuration, monitoring and logging for all products. Rich network log and packet capture features help analyze network status and conduct retrospective investigations.

Simplicity and usability serve as important design concepts so that users can quickly configure and deploy the firewalls without in-depth knowledge of network protocols or architectures, ensuring the security baselines and compliance standards of network environments.

Maipu next generation firewall product offers stable and reliable security protection for customers and forms the footing of a functioning network. Through persistent upgrades and new feature additions, Maipu products will continue to keep up with the pace of network developments and create greater value for users.

Firewall Series

MPSec MSG4000-X1/G6 NGFW

Overview

MPSec MSG4000-X1/G6 is a high-performance next-generation 10G Level firewall (NGFW), which can deeply analyze users, locations, traffic, applications, content, etc. in network traffic from multiple perspectives, deeply identify application-layer threats, and provide users with effective application-layer integration Security protection.

Key Feature

- High Performance with ARM Based Architecture
- Refined Application Access Control
- Comprehensive L2-L7 Security Defense Capability
- Intelligent Data Analysis and Management

Model	Performance	Interfaces					Security Defense			
	L2&L3 Firewall	1G Base-T	1G SFP	1G Combo	10G SFP+	Slot	IPS	AV	APP	URL
MPSec MSG4000-X1	22Gbps	16	4	N/A	4	2	Yes	Yes	Yes	Yes
MPSec MSG4000-G6	15Gbps	8	2	N/A	2	2	Yes	Yes	Yes	Yes

MPSec MSG4000-G2/G1 NGFW

Overview

MPSec MSG4000-G2/G1 is a high-performance next-generation Gigabit Level firewall (NGFW), which can deeply analyze users, locations, traffic, applications, content, etc. in network traffic from multiple perspectives, deeply identify application-layer threats, and provide users with effective application-layer integration Security protection.

Key Feature

- High Performance with ARM Based Architecture
- Refined Application Access Control
- Comprehensive L2-L7 Security Defense Capability
- Intelligent Data Analysis and Management

Model	Performance	Interfaces					Security Defense			
	L2&L3 Firewall	1G Base-T	1G SFP	1G Combo	10G SFP+	Slot	IPS	AV	APP	URL
MPSec MSG4000-G2	8Gbps	8	2	N/A	2	2	Yes	Yes	Yes	Yes
MPSec MSG4000-G1	2.6Gbps	8	1	2	N/A	N/A	Yes	Yes	Yes	Yes

Network Management System

Maipu Matrix Center SNMP NMS

Overview

Maipu Matrix Center is management and control platform for achieving integration of multiple services including wired, wireless, voice and terminals. It provides a series of rapid operation and maintenance services such as rapid deployment, rapid presentation, rapid positioning, rapid warning, and rapid operation and maintenance to monitor and manage the enterprise network in a comprehensive manner and ensure normal operation of the business. Through an intuitive and easy-to-use user management interface, it provides an integrated fast O&M solution for wired, wireless, voice, and terminal services to improve user network management efficiency and effectively reduce network operation and maintenance costs.
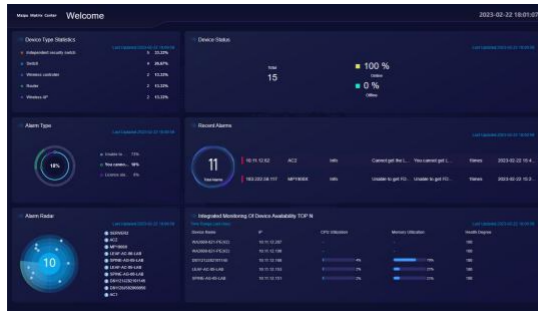
Basic Component

| Device Management	Topology Management	Configuration Management	Alarm Management
- View device info and interface details - View routing table, ARP table, and MAC address table - Monitor device response time, CPU and memory utilization - Automatically generate topology diagrams	- Query device by name, IP or MAC - Display link attributes and convergence status - Real-time display link rate	- Batch software package update and 0 configuration - Batch backup and restore configuration - Batch command issuance to devices	- Real-time alarm monitoring with self-defined rules - Email, SMS and other no-tifications - Customizable large screen display

WLAN & VoIP Component

User Access Management	Voice Gateway Management	Network Resource Management	User Management
- Trace user access history for at least 15 days - View user account, IP, MAC and access history - View user history packet loss statistics, signal strength, access channel, access rate	- Monitor voice gateway response time, CPU utilization, memory utilization, temperature and alarm information - Configure FXO and FXS settings - View voice gateway panel and port status	- Discover network access terminal resources and their information - Monitor access changes and receive instant alarms - Analyze IP address usage and allocate, recycle and manage IP address	- Grant management rights to users based on organizational hierarchy - Strictly distinguish the management rights of equipment, topology, alarm information, performance monitoring data, equipment configuration, etc.

Maipu BD-LAN SDN Controller

Overview

Maipu SDN security solution is an integrated solution which includes Maipu SDN controller and Maipu SDN security switches. This solution greatly enhances internal campus network security by continuous monitoring and auto-blocking the abnormal terminal's network access. This would stop the potential virus spread or network attack from inside at the early stage. It earns more time for IT engineers to fix the vulnerability before it affects more terminals in the network.

Not just security concerned, Maipu SDN security solution provides automation and insights for the whole network also. The automation helps reduce most of the traditional human errors via CLI commands, with just some simple clicks on the WEB GUI. This system also gives a full-dimension network insights by providing traffic monitoring, different types of network and terminal statistics, IP & assets management and so on.
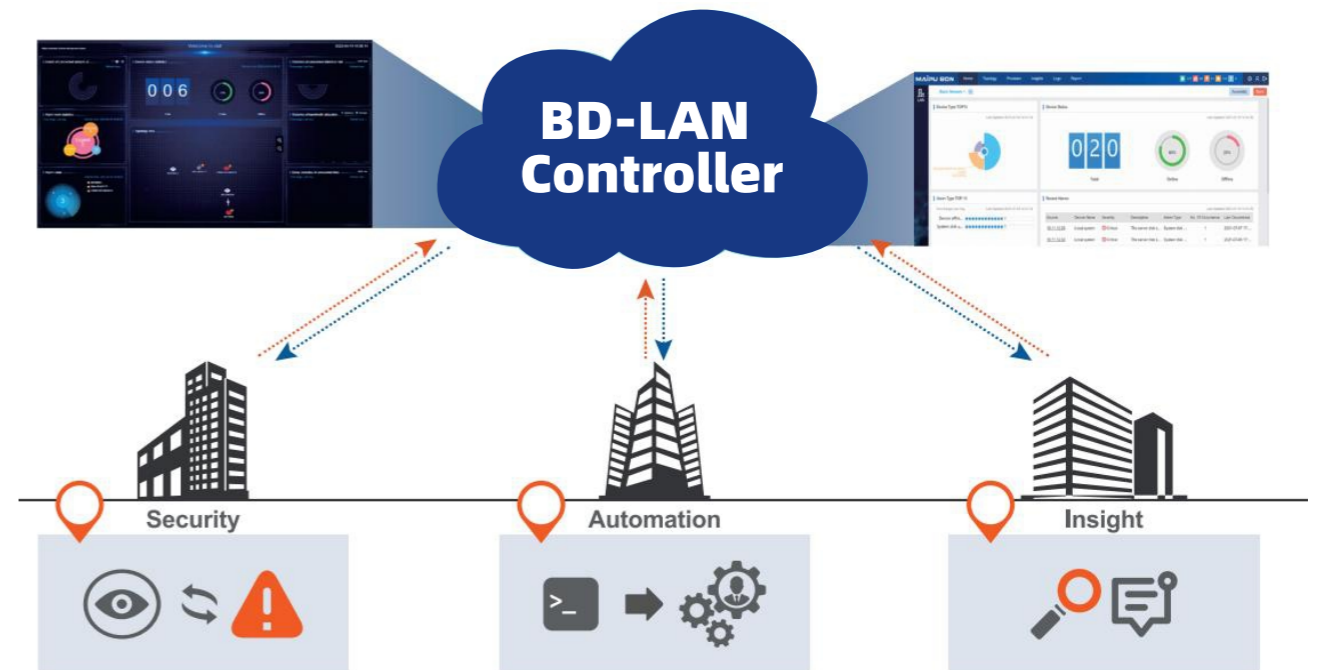
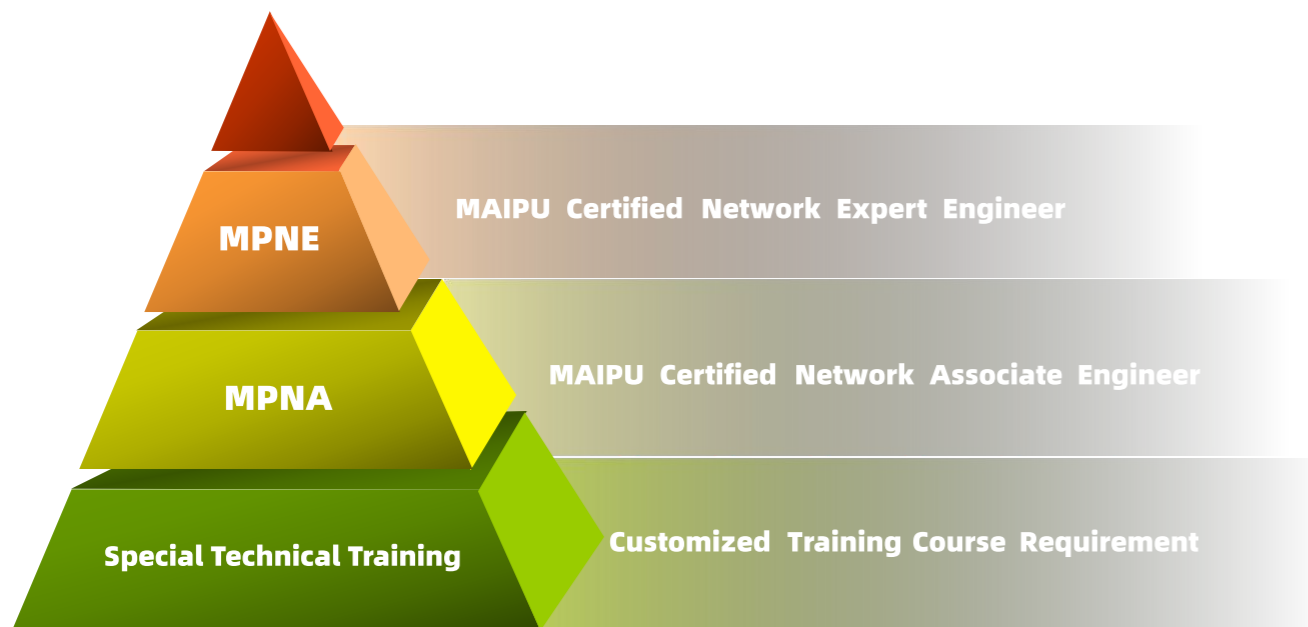| Secure Your Network	Automate Your Network	Visualize Your Network
- Zero Trust Network Security - Preventing Loops in the Network - Segment Different Services for a Safer Network - Multi-factor Access Policy Control - Anomaly Detection & Auto Defense - Third-party UTM Interoperability - Terminal Migration Control - QoS For Improved Network Service Experience	- Zero Touch Provisioning - Auto Service Configuration - One-Click Replacement - Scheduled Firmware Upgrade/Configuration Backup - Fast Terminal Access Grant	- Network Traffic Insights - Sets Management - IP Management - Rich Reports

Maipu Training System

After more than 20 years of operation and development, Maipu has formed a complete research, production, sales system, and after-sales service system and has become one of China's best data communication equipment suppliers. Combining Maipu's customer needs and technical strength, Maipu's technical training is divided into two parts: special and certification training. The special technical training has a high degree of customization and strong flexibility, and the development of teaching materials is adapted to local conditions. It is suitable for engineering projects, product maintenance, and other occasions and for customers with high requirements for special technical skills; certification training covers a wide range and is highly versatile, suitable for basic customers. Require. These two pieces of training can be implemented separately or combined to meet customers' needs and improve their technical level to the greatest extent.

MPNE — MAIPU Certified Network Expert Engineer

MPNA — MAIPU Certified Network Associate Engineer

Special Technical Training — Customized Training Course Requirement

MPNE

MPNE certification established in 2005 aims at professional skill certification for mid-level network engineers. Passers have solid theory foundation in data communication and in-depth knowledge in network protocols. They can independently implement medium network planning/design, deploy mid/high-end devices, commissioning, configuration and troubleshooting. Certificate holders can work as senior network engineers, senior pre-sales engineers and operate large enterprise networks.

MPNA

MPNA certification established in 2005 targets at professional skill certification for junior network engineers. Passers master data communication basics, understand standard network products (routing, switching, WLAN), can install, debug, configure and troubleshoot them independently, and design simple networks. Certificate holders can work as junior network engineers, junior pre-sales engineers and corporate network operation engineers.

MAKE IT INTELLIGENT