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Product, Hardware and Performance Matrix of MTS switches

Product Category	Product Code	Ports	PSU	Heat Radiation	Stackable
MTS2600	MTS2624-4X-B	24×FE/GE TX, 4×1/10G SFP+ slots	Fixed single power supply	Fixed fan	Yes
Switch	Series Switch MTS2648-6X-B 48×FE/GE TX,6 1/10G SFP+		Fixed single power supply	Fixed fan	Yes
	MTS2724-4X-FP-S	24×FE/GE POE/POE+, 4×1/10G SFP+ slots	2×Fixed redundant PSUs	Fixed fan	Yes
MTS2700 Series Switch	Series Ixextended media module slot for additional 2x1/10G SEP+ slot		2×Modular redundant PSUs	Fixed fan	Yes
			2×Modular redundant PSUs	Fixed fan	Yes
	MTS2848TF-4X-E	32xFE/GE TX, 16x100/1000M SFP slots, 4x 1/10G SFP+ slots	2xModular redundant PSUs	Fixed fan	Yes
	MTS2832TF-4X-E	24×10/100/1000M SFP slots, 8×FE/GE TX, 4×1/10G SFP+ slots	2×Fixed redundant PSUs	Fixed fan	Yes
	MTS2824F-4X-S	24×10/100/1000M SFP slots, 4×1/10G SFP+ slots	2×Fixed redundant PSUs	Fixed fan	Yes
MTS2800 Series Switch	MTS2824-4X-S	24×FE/GE TX, 4×1/10G SFP+ slots	2×Fixed redundant PSUs	Fixed fan	Yes
	MTS2848-6X-S	48×FE/GE TX, 6×1/10G SFP+ slots	2×Fixed redundant PSUs	Fixed fan	Yes
	MTS2824-6X-E	24×FE/GE TX, 6×1/10G SFP+ slots	2×Fixed redundant PSUs	Fixed fan	Yes
	MTS2848-6X-E	48×FE/GE TX, 6×1/10G SFP+ slots	2×Fixed redundant PSUs	Fixed fan	Yes
MTS2900 Series Switch	MTS2948X-6Q-A	48×1/10G SFP+ slots, 6×40G QSFP+ slots	2×Modular redundant PSUs	4×Modular fan tray	Yes
	MTS8003-Chassis	Dual Engine, 3×media modules	4×Modular redundant PSUs	2×Modular fan tray	Yes
MTS8000 Series Switch	MTS8006-Chassis	Dual Engine, 4×media modules 2×switch fabric modules	4×Modular redundant PSUs	2×Modular fan tray	Yes
	MTS8010-Chassis	Dual Engine, 8×media modules 2×switch fabric modules	4×Modular redundant PSUs	2×Modular fan tray	Yes

MTS Switches Software Functionality

Feature Switching	MTS2600-B Basic	MTS2700-S Standard	MTS2800-E Enhanced	MTS2900-A Advanced	MTS8000 Series Software
MAC limitation	•	•	•	•	•
Static MAC address entry	•	•	•	•	•
MAC blackhole	•	•	•	•	•
Static/Dynamic ARP	•	•	•	•	•
GARP	•	•	•	•	•
ARP proxy	•	•	•	•	•
VLAN (802.1Q)	•	•	•	•	•
Flow control(802.3x, 802.3p)	•	•	•	•	•
LAG	•	•	•	•	•
QinQ	•	•	•	•	•
Flexible QinQ	•	•	•	•	•
VLAN mapping	•	•	•	•	•
STP/RSTP/MSTP	•	•	•	•	•
GARP VLAN Registration Protocol (GVRP)	•	•	•	•	•
Super VLAN	•	•	•	•	•
Private VLAN	•	•	•	•	•
Voice VLAN	•	•	•	•	•
BPDU Tunnel	•	•	•	•	•
N:1/N:N port monitoring	•	•	•	•	•
SPAN	•	•	•	•	•
ERSPAN				•	•
Flow mirroring	•	•	•	•	•
ERPS	•	•	•		
UDLD	•	•	•	•	•
OAM	•	•	•	•	•
sFlow	•	•	•	•	•
MPLS				•	•
MPLS QoS				•	
MPLS L3VPN				•	•
VXLAN			•	•	•
EVPN			•	•	•
TRILL				•	•
Multicast VLAN Registration	•	•	•	•	•
Multicast VLAN Plus	•	•	•	•	•
ERPS	•	•	•	•	•

Feature Routing	MTS2600-B Basic	MTS2700-S Standard	MTS2800-E Enhanced	MTS2900-A Advanced	MTS8000 Series Software
Static route	•	•	•	•	•
RIP v1/v2		•	•	•	•
OSPF		•	•	•	•
BGP			•	•	•
ISIS			•	•	•
RIPng			•	•	•
BGP4+			•	•	•
OSPF v3			•	•	•
ISIS v6			•	•	•
IGMP v1/v2			•	•	•
IGMP v3			•	•	•
IGMP filter			•	•	•
MLD v1/v2	•	•	•	•	•
IGMP snooping	•	•	•	•	•
MLD v1/v2 snooping	•	•	•	•	•
PIM DM			•	•	•
PIM SM			•	•	•
PIM SM v6				•	•
PIM SDM			•	•	•
PIM SSM			•	•	•
DHCP Client	•	•	•	•	•
DHCP Server		•	•	•	•
DHCP relay		•	•	•	•
DHCP v6 Server/Client		•	•	•	•
DHCP v6 relay		•	•	•	•
DNS	•	•	•	•	•
FTP Server/Client	•	•	•	•	•
NTP	•	•	•	•	•
IPv6	•	•	•	•	•
IPv6 tunnel			•	•	•
GRE			•	•	•
6to4 tunnel			•	•	•
ISATAP tunnel			•	•	•
BFD			•	•	•
VRRP		•	•	•	•
VRRP v6			•	•	•
IRMP				•	•

Feature IPv6	MTS2600-B Basic	MTS2700-S Standard	MTS2800-E Enhanced	MTS2900-A Advanced	MTS8000 Series Software
Static Routing v6	•	•	•	•	•
IPv6	•	•	•	•	•
IPv6 tunnel			•	•	•
PIM v6-SM			•	•	•
IP v6 Multicast			•	•	•
GRE v6			•	•	•
TCP v6	•	•	•	•	•
UDP v6	•	•	•	•	•
RIPng		•	•	•	•
BGP4+			•	•	•
OSPF v3		•	•	•	•
ISIS v6			•	•	•
DHCP v6 Server/Client		•	•	•	•
DHCP v6 relay		•	•	•	•
Prefix List v6		•	•	•	•
BFD v6				•	•
VRRPv3			•	•	•

Feature Management	MTS2600-B Basic	MTS2700-S Standard	MTS2800-E Enhanced	MTS2900-A Advanced	MTS8000 Series Software
Console	•	•	•	•	•
Telnet	•	•	•	•	•
SSH v1/v2	•	•	•	•	•
SNMP v1/v2	•	•	•	•	•
SNMP v3	•	•	•	•	•
RMON	•	•	•	•	•
TR069	•	•		•	•
IPFIX				•	•
OAM(802.3ah, 802.1ag, ITU Y.1731)	•	•	•	•	•
EEP	•	•	•	•	•
Syslog	•	•	•	•	•
Web UI	•	•	•		
DHCP Client	•	•	•	•	•
DHCP Server		•	•	•	•
DHCP relay		•	•	•	•
DNS	•	•	•	•	•
FTP Server/Client	•	•	•	•	•
NTP	•	•	•	•	•
TFTP	•	•	•	•	•
E-LMI	•	•	•	•	•
LLDP	•	•	•	•	•
SLA		•	•	•	•

Security Feature	MTS2600-B Basic	MTS2700-S Standard	MTS2800-E Enhanced	MTS2900-A Advanced	MTS8000 Series Software
Login-Security	•	•	•	•	•
AAA	•	•	•	•	•
802.1x	•	•	•	•	•
RADIUS	•	•	•	•	•
TACACS+	•	•	•	•	•
SSH Client	•	•	•	•	•
Port security	•	•	•	•	•
Port isolation	•	•	•	•	•
UNI/NNI isolation	•	•	•	•	•
DHCP snoopin	•	•	•	•	•
Dynamic ARP Inspection (DAI)	•	•	•	•	•
IP Source Guard	•	•	•	•	•
CPU protection	•	•	•	•	•
uRPF	•	•	•	•	•
LAND attack protection	•	•	•	•	•
SYN flooding protection	•	•	•	•	•
Ping flooding protection	•	•	•	•	•
TearDrop protection	•	•	•	•	•
Ping of Death protection	•	•	•	•	•
TCP flooding protection	•	•	•	•	•
ICMP flooding protection	•	•	•	•	•
Unicast storm control	•	•	•	•	•
Multicast storm control	•	•	•	•	•
Broadcast storm control	•	•	•	•	•
IPv4/v6 Standard/Extended ACL	•	•	•	•	•
MAC ACL	•	•	•	•	•
Port ACL	•	•	•	•	•
ACL log	•	•	•	•	•
Mac Forced Forwarding	•	•	•	•	•
Loopback Detection	•	•	•	•	•
VLAN Isolation	•	•	•	•	•
HMAC-SHA256(RIP, OSPF)	•	•	•	•	•
Key Chain		•	•	•	•
APR Check	•	•	•	•	•
AARF			•		•

Feature QoS	MTS2600-B Basic	MTS2700-S Standard	MTS2800-E Enhanced	MTS2900-A Advanced	MTS8000 Series Software
Class based QoS schedule	•	•	•	•	•
CAR	•	•	•	•	•
SP	•	•	•	•	•
WRR	•	•	•	•	•
SP+WRR	•	•	•	•	•
RED	•	•	•	•	•
WRED	•	•	•	•	•
Traffic shaping	•	•	•	•	•
Traffic policy	•	•	•	•	•
802.1p mapping	•	•	•	•	•
DSCP mapping	•	•	•	•	•

Feature Virtualization	MTS2600-B Basic	MTS2700-S Standard	MTS2800-E Enhanced	MTS2900-A Advanced	MTS8000 Series Software
Stack	•	•	•	•	•
M-LAG	•	•	•	•	•
MAD	•	•	•	•	•
Vertical Virtualization	•	•	•	•	•

Feature SDN	MTS2600-B Basic	MTS2700-S Standard	MTS2800-E Enhanced	MTS2900-A Advanced	MTS8000 Series Software
OpenFlow				•	•
XML API/NETCONF	•	•	•	•	•

^{*} SDN is fully supported on MTS8000 series -A high performance media module and MTS2XXX-A products. MTS2824-6X-E, MTS2848-6X-S, MTS2748-6X-MP-E, MTS2724-6X-MP-E, MTS2848-6X-E and MTS2832TF-4X-E are hardware ready for Openflow only.

MTS2600 Series Switch - Layer2 Gigabit Ethernet Switch with 10G Uplink Ports



Entry-level access and port extension switch

MTS2600 series switch is the entry level access switch in MTS series, providing sufficient performances and flexible functions. 10 Gigabit port is available so uplink speed to core switch is assured.

All RJ45 ports in MTS2600 series switch support auto-negotiation and MDI/MDI-X, and all SFP+ slots can work under 1/10G mode. All SFP+ slots support 1G and 10G MTS SFP modules, including fiber and UTP/STP*.

*detailed information please see SFP chapter in this brochure.

For higher port density and performance at access level, MTS2600 supports stacking and downlink-oversubscribe design, in which 24 GE access ports couples with 4 10G SFP+ uplink ports. Since the MTS2600 series switch supports ERPS and have hardware based broadcast control, the switch can be deployed in ring topology.

Product Feature













Product description						
Туре	MTS2624-4X-B	MTS2648-6X-B				
Description	1U rack mount, 24×FE/GE TX, 4×1/10G SFP+ slots, fixed single power supply, basic software	1U rack mount, 48×FE/GE TX, 6×1/10G SFP+ slots, fixed single power supply, basic software				
Port type and quantity	24×FE/GE TX, 4×1/10G SFP+, 1×RJ45 Console port, 1×USB 2.0, 1×Reset Button	48×FE/GE TX, 6×1/10G SFP+, 1×RJ45 Console port, 1×USB 2.0				
Power supply	Fixed single power supply					
Heat radiation	Fixed fan					
Order No.	942999847	942999839				
Mechanical construction						
Dimensions (W×D×H)	442mm×220mm×44.2mm	442mm×320mm×44.2mm				
Weight	3.6kg	7kg				
Mounting	Rack mount					
Power requirement						
Operating voltage	100-240VAC, 50-60HZ					
Power consumption	26W	75W				
Ambient conditions						
Operating temperature	-10°C55°C					
Storage/ transport temperature	-40°C70°C					
Relative humidity (non-condensing)	10%90%					
Storage/transport humidity (non-condensing)	5%95%					
Software						
Software level	Basic software					
Stacking	Stackable, up to 8 devices in one stack					
Approvals						
CE / FCC	Compliant					
China Network Access Certificate	Compliant					
CCC approval	Compliant					
RoHS compliance	RoHS compliance RoHS((EU) 2015/863) and RoHS (GB/T26572-2011) compliant					
Scope of delivery and accesse	pries					
Scope of delivery	Device, console cable, installation package					
Accessories to order separately	Network Management Industrial HiVision, SFP					

MTS2700 Series Switch - Layer3 PoE/PoE+ Gigabit Ethernet Switch with 10G Uplink Ports



Access/aggregation switches that have comprehensive function with PoE/PoE+

MTS2700 series switches provides a whole set of access solution, which is able to support complex network design. The switches can prevent unauthorized network access or mitigate the impact of network attacks via plenty of security features.

All RJ45 ports in MTS2700 series switches support PoE/PoE+ function, which are able to provide up to 30W power supply for the PoE PD device, such as webcam, IP telephone etc. What's more, modular PSUs can provide FRU and the device can work properly under maximum temperature up to 55°C.

MTS2700 switches have comprehensive L2/L3 feature set, which can provide flexible, reliable and secure choice for network planning. Network consultant can enhance network security via DAI/DHCP snooping or can optimize multicast via IGMP snooping or can use broadcast control to ensure the network stability when UMB flooding.

Product Feature



Туре	MTS2724-4X-FP-S	MTS2724-6X-MP-E	MTS2748-6X-MP-E			
Description	1U rack mount, 24×FE/GE POE/POE+, 4×1/10G SFP+ slots, fixed redundancy power supply, PoE output 380W, standard software	1U rack mount, 24×FE/ GE POE/POE+, 4×1/10G SFP+ slots, redundant PSU, enhanced software	1U rack mount, 48×FE/ GE POE/POE+, 4×1/10G SFP+ slots, redundant PSU, enhanced software			
Port type and quantity	24×FE/GE POE/POE+, 4×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, 1×Reset Button	24×FE/GE POE/POE+, 4×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, no Reset Button	48×FE/GE POE/POE+, 4×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, no Reset Button			
Power supply	2×fixed redundant PSUs	2×modular redundant PSUs, hot swappable	2×modular redundant PSUs hot swappable			
Extended media module	None	1×extended media module	1×extended media module slot			
Heat radiation	Fixed fan					
Order No.	942999835	942999832	942999831			
Mechanical construction						
Dimensions (W×D×H)	442mm×380mm×44.2mm	442mm×420mm×44.2mm	442mm×420mm×44.2mm			
Weight	6.4kg	7.4kg	7.8kg			
Mounting	Rack mount					
Power requirement						
Operating voltage	100-240VAC, 50-60HZ, redur	ndancy PSU supported				
Power consumption	29W	34W	46W			
Ambient conditions						
Operating temperature	-10°C55°C					
Storage/transport temperature	-40°C70°C					
Relative humidity(non-condensing)	10%90%					
Storage/transport humidity(non-condensing)	5%95%					
Software	·					
Software level	Standard software	Enhanced software				
Stacking	Stackable, up to 8 devices in	one stack				
Approvals						
CE / FCC	Compliant					
China Network Access Certificate	Compliant					
CCC approval	Compliant					
RoHS compliance	RoHS((EU) 2015/863) and RoHS(GB/T26572-2011) compliant					
Scope of delivery and accessories						
Scope of delivery	Device, console cable, installa	tion package				
Accessories to order separately	Network Management Indust	rial HiVision, SFP, extended med	dia module			



Extended media module					
Product No.	Name	Number of ports	Port Type/Speed	Accessories to order separately	
942999836	MTM2700-2X	2	2×1/10G SFP+ slot	SFP	







Enterprise Ethernet: MTS2700 series switches accessories: PSU			
Name	MTM2700-PSU120	MTM2700-PSU500	MTM2700-PSU880
Product description			
Description	AC/DC 120W PSU; Input 100-240V/2.0A; Output 12V/10A; Without PoE support	AC/DC 500W PSU; Input 100-240V/7.0A; Output 12VDC/10A, 53.5VDC/7A; POE supported	AC/DC 880W PSU; Input 100-240V/7.0A; Output 12VDC/10A, 53.5VDC/7.1A (100VAC-165VAC), 53.5VDC/14.2A (165VAC- 240VAC); PoE supported
Order No.	942999834	942999833	942999837
Service			
Diagnostics	LEDs (PWR) at basic device		
Current consumption			
Activation current	typ. < 40A at 220VAC and cold start		
Technical data			
Operating voltage	100-240VAC		
Operating temperature	-10°C55°C		
Input frequency	50-60HZ		
Nominal power of voltage supply	120W (220V/110V)	500W (220V/110V)	880W (220V)/550w (110V)
Power requirements			
Current consumption	1A (220V), 2A (110V)	3.5A (220V), 7A (110V)	7A (220V), 7A (110V)
Scope of delivery and accessories			
Scope of delivery	PSU module		

MTS2800 series switch - Layer3 Gigabit Ethernet Switch with 10G Uplink Ports



Access/aggregation switches that can offer comprehensive L2/L3 feature sets

MTS2800 series switches provide a whole set of access and aggregation solution. All switches in this series are equipped with redundant PSUs. The switches has compact mechanical design with low noise which can fit in with 600mm×600mm compact cabinet. In addition, the switches can work properly under maximum temperature up to 55°C.

All the RJ45 ports in MTS2800 series switches support auto-negotiation and MDI/MDI-X. The switches can be applied to various working situations such as desktop, ELV room and data aggregation layer. The switches have 4 or 6 SFP+ slots and support stacking configuration, which can eliminate single point of failure and provide MC-LAG.

MTS2800 series switches have comprehensive L2/L3 feature sets and furthermore can provide flexible, reliable and secure choice for network planning. The general security and flow control technology such as DAI, DHCP snooping, IGMP snooping and 802.1x that the switches have can help administrator to deploy a secure & robust network infrastructure.

Product Feature



Product description				
Туре	MTS2848-6X-E	MTS2824-6X-E	MTS2848-6X-S	MTS2824-4X-S
Description	1U rack mount, 48×FE/ GE TX, 6×1/10G SFP+ slots, fixed redundancy power supply, enhanced software	1U rack mount, 24×FE/ GE TX, 6×1/10G SFP+ slots, fixed redundancy power supply, enhanced software	1U rack mount, 48×FE/ GE TX, 6×1/10G SFP+ slots, fixed redundancy power supply, standard software	1U rack mount, 24×FE/ GE TX, 4×1/10G SFP+ slots, fixed redundancy power supply, standard software
Port type and quantity	48×FE/GE TX, 6×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, no Reset Button	24×FE/GE TX, 6×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, no Reset Button	48×FE/GE TX, 6×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, no Reset Button	24×FE/GE TX, 4×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, 1×Reset Button
Power supply	2×Fixed redundant PSUs	5		
Heat radiation	Fixed fan			
Order No.	942999841	942999842	942999843	942999844
Mechanical construction	1			
Dimensions (W×D×H)	442mm×320mm ×44.2mm	442mm×320mm ×44.2mm	442mm×320mm ×44.2mm	442mm×220mm ×44.2mm
Weight	5.8kg	5.4kg	5.8kg	3.8kg
Mounting	Rack mount			
Power requirement				
Operating voltage	100-240VAC, 50-60HZ,	redundancy PSU support	ed	
Power consumption	55W	37W	55W	26W
Ambient conditions				
Operating temperature	-10°C55°C			
Storage/transport temperature	-40°C70°C			
Relative humidity (non-condensing)	10%90%			
Storage/trans- port humidity(non- condensing)	5%95%			
Software				
Software level	Enhanced software		Standard software	
Stacking	Stackable, up to 8 device	es in one stack		
Approvals				
CE / FCC	Compliant			
China Network Access Certificate	Compliant			
CCC approval	Compliant			
RoHS compliance	RoHS compliance RoHS((EU) 2015/863) and RoHS(GB/T26572-2011) compliant			
Scope of delivery and a	ccessories			
Scope of delivery	Device, console cable, installation package			
Accessories to order separately	Network Management Industrial HiVision, SFP			

Product description				
Туре	MTS2824F-4X-S	MTS2832TF-4X-E	MTS2848TF-4X-E	
Description	1U rack mount, 24×100/1000M SFP slots, 4×1/10G SFP+ slots, fixed redundancy power supply, standard software	1U rack mount, 24×100/1000M SFP slots, 8×FE/GE TX, 4×1/10G SFP+ slots, fixed redundancy power supply, enhanced software	1U rack mount, 32×FE/GE TX, 16×100/1000M SFP slots, 4×1/10G SFP+ slots, modular redundant PSU, enhanced software	
Port type and quantity	24×100/1000M SFP slots, 4×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, 1×Reset Button	24×100M/1000M SFP slots, 8×FE/GE TX, 4×1/10G SFP+ slots, 1×Console port, 1×USB 2.0, no Reset Button	32×FE/GE TX, 16×100/1000M SFP slots, 4×1/10G SFP+ slots, 1×RJ45 Console port, 1×USB 2.0, no Reset Button	
Power supply	2×Fixed redundant PSUs			
Heat radiation	Fixed fan			
Order No.	942999845	942999846	942999849	
Mechanical construction				
Dimensions (W×D×H)	442mm×320mm×44.2mm	442mm×320mm×44.2mm	442mm×420mm×44.2mm	
Weight	5.8kg	5.6kg	8.5kg	
Mounting	Rack mount	Rack mount		
Power requirement	ent			
Operating voltage	100-240VAC, 50-60HZ, redund	dancy PSU supported		
Power consumption	38W	60W	55W	
Ambient conditions	Ambient conditions			
Operating temperature	-10°C55°C			
Storage/trans-port temperature	-40°C70°C			
Relative humidity (non-condensing)	10%90%			
Storage/trans-port humidity(non-condensing)	5%95%			
Software	'			
Software level	Standard software	Enhanced software		
Stacking	Stackable, up to 8 devices in o	ne stack		
Approvals				
CE / FCC	Compliant			
China Network Access Certificate	Compliant			
CCC approval	Compliant	Compliant		
RoHS compliance	RoHS((EU) 2015/863) and Ro	HS(GB/T26572-2011) compliar	t	
Scope of delivery and accesso	Scope of delivery and accessories			
Scope of delivery	Device, console cable, installati	on package		
Accessories to order separately	Network Management Industrial HiVision, SFP			

MTS2900 Series Switch - Layer3 10Gigabit Ethernet Core Switch with 40G Uplink Ports



High capacity aggregation/core switch

MTS2900 series switch provides industry leading ports density and switching speed. It not only serves as a core switch, combined with MTS2600/MTS2700/MTS2800 to offer compact data network solutions, but also works as a aggregation switch, with MTS8000 to offer large network solutions.

MTS2900 series switch offers 48 SFP+ slots, all these slots support 1G/10G SFP modules and support multiple SFP application that varies from 550m multi-mode SFP to 80km single-mode SFP+. The 40G QSFP in MTS2900 can offer high-speed uplink/interconnection links. The switch can be used in deployment model basing on spine-leaf and can support openflow 1.3 SDN controller.

MTS2900 series switch has enhanced L2/L3 feature set. It is able to support database level network and offer amazing configuration flexibility in the meantime. The switch support router protocols such as OSPF/BGP/ISIS and so on, it also support core routing protocol such as MPBGP/MPLS. In addition, MTS2900 support all switching/routing feature sets of MTS2700 & MTS2800 and can offer continuous security strategy and configuration logic.

Product Feature



Product description	
Туре	MTS2948X-6Q-A
Description	1U rack mount 40G Core Switch, 48×1/10G SFP+ slots, 6×40G QSFP+ slots, redundant PSU, advanced software
Port type and quantity	48×1/10G SFP+ slots, 6×40G QSFP+ slots, 1×USB, 2×RJ45 console port, 1×FE/GE RJ45 out of band management port, 1×Reset Button
Power supply	2×modular redundant PSUs, hot swappable
Heat radiation	Modular fans
Order No.	942999824
Mechanical construction	
Dimensions (W×D×H)	440mm×560mm×44.2mm
Weight	12.4kg
Mounting	Rack mount
Power requirement	
Operating voltage	100-240VAC 50-60Hz, redundancy PSU supported
Power consumption	200W
Ambient conditions	
Operating temperature	-10°C55°C
Storage/transport temperature	-40°C70°C
Relative humidity(non-condensing)	10%90%
Storage/transport humidity(non-condensing)	5%95%
Software	
Software level	Advanced software
Stacking	Stackable, up to 8 devices in one stack
Approvals	
CE / FCC	Compliant
China Network Access Certificate	Compliant
CCC approval	Compliant
RoHS compliance	RoHS((EU) 2015/863) and RoHS(GB/T26572-2011) compliant
Scope of delivery and accessories	
Scope of delivery	Device, console cable, installation package
Accessories to order separately	Network Management Industrial HiVision, SFP, PSU module, fan module*

 $^{^{\}ast}$ A MTS2948X-6Q-A switch must have four fan modules to make it work properly.



Enterprise Ethernet: MTS2900 series switch accessories: PSU			
Name	MTM2900-PSU250		
Product description	Product description		
Description	AC/DC 250W PSU; AC Input 100-240V; DC Input 192-288V, 3.5A; Output 12V/20.8A, 5VSB/2A; Hot-Swap supported.		
Order No.	942999822		
Service			
Diagnostics	LEDs (PWR) at basic device		
Current consumption			
Activation current	typ. < 40A at 220VAC and cold start		
Technical data			
Operating voltage	100-240VAC		
Operating temperature	-10°C55°C		
Input frequency	50-60Hz		
Nominal power of voltage supply	250W (220V/110V)		
Power requirements			
Current consumption	1.7A (220V), 3.4A (110V)		
Scope of delivery and accessories			
Scope of delivery	PSU module		



Enterprise Ethernet: MTS2900 series switch accessories: Fan	
Name	MTM2900-FAN
Product description	
Description	Modular Fan, Hot-Swap supported, 4 units fan are mandatory for MTS2948X-6Q-A
Order No.	942999823
Service	
Diagnostics	LEDs (FAN) at basic device
Technical data	
Operating temperature	-10°C55°C
Scope of delivery and accessories	
Scope of delivery	Fan module

MTS8000 Series Switch - Layer3 Modular Core Switch



Modular core switch

MTS8000 series switch has compact configuration and powerful extension capability. The switch provides industry-leading SFP+/QSFP port density inside 6U/11U/15U chassis. Besides, it provides lots of ports in various types and can support PoE/PoE+. MTS8000, together with other switches in MTS series, provides an end-to-end total network solution.

MTS8000 series switches have dual redundant engines, up to 8 media module slots and they are able to support GE, SFP, SFP+ and QSFP type of ports. Besides, both MTS8006 and MTS8010 have 2 switch fabric slots. Moreover, MTS8000 devices can be managed by SDN controller via OpenFlow 1.3. Thus, no matter serves as a spine node in spine-leaf topology or as a core node in traditional topology, MTS8000 can play its best part.

MTS8000 has enhanced L2/L3 feature set and is able to support data center level network. The switch support router protocols such as OSPF/BGP/ISIS etc. It also support core routing protocol such as MPBGP/MPLS. The switch also supports stacking and MCLAG, which can provide a higher level network redundancy and performance. Besides, MTS8000 support all switching/routing feature sets of MTS2700 & MTS2800 and can offer continuous security strategy and configuration logic.

Product Feature



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Product description			
Туре	MTS8003-Chassis	MTS8006-Chassis	MTS8010-Chassis
Description	6U rack mount, dual engine, 3×media modules, 4×modular PSUs, 2×fan trays, advanced software	11U rack mount, dual engine, 4×media modules, 2×switch fabric modules, 4×modular PSUs, 2×fan trays, advanced software	15U rack mount, dual engine, 8×media modules, 2×switch fabric modules, 4×modular PSUs, 2×fan trays, advanced software
Slot type and quantity	Including 2×engine slots, 3×media module slots	Including 2×engine slots, 4×media module slots, 2×switch fabric module slots	Including 2×engine slots, 8×media module slots, 2×switch fabric module slots
Management ports on engine	1×USB, 1×SD port, 1×RJ45 cons of-band port, 1×RJ45 debug p		micro USB console port, 1×out-
Engine redundancy	Yes		
Power supply	4×modular redundant PSUs, h	ot swappable	
Heat radiation	2×modular redundant Fan tray	ys, hot swappable	
Mechanical construction			
Dimensions (W×D×H)	440mm×430mm×266mm	441mmx434.8mmx488mm	441mm×434.8mm×666mm
Mounting	Rack mount		
Power requirement			
Operating voltage	100-240VAC, 50-60HZ		
Ambient conditions	Ambient conditions		
Operating temperature	0°C55°C		
Storage/transport temperature	-40°C70°C		
Relative humidity(non- condensing)	10%90%		
Storage/transport humidity(non-condensing)	5%95%		
Software			
Software level	Advanced software		
Stacking	Stackable, up to 2 devices in c	one stack	
Approval			
CE / FCC	Compliant		
China Network Access Certificate	Compliant		
RoHS compliance	RoHS((EU) 2015/863) and RoHS(GB/T26572-2011) compliant		
Scope of delivery and accessories			
Scope of delivery	Device, console cable, installation package		
Accessories to order separately	Engine, media module, PSU, fan tray*, SFP, Network Management Industrial HiVision		

^{*} each MTS8000 chassis must have 2×fan trays to make it work properly.



Enterprise Ethernet: MTS8000 series switch accessories: PSU		
Name	MTM8000-PSU800	
Product description		
Description	MTS8003 800W Power Supply, Min. 1*PSU, Max. 4*PSUs	
Order No.	942999803	
Service		
Diagnostics	LEDs (PWR) at basic device	
Current consumption		
Activation current	typ. < 40A at 220VAC and cold start	
Technical data		
Operating voltage	100-240VAC	
Operating temperature	0°C55°C	
Input frequency	50-60HZ	
Nominal power of voltage supply	800W (220V/110V)	
Power requirements		
Current consumption	5A (220 V), 10A (110V)	
Scope of delivery and accessories		
Scope of delivery	PSU	



Enterprise Ethernet: MTS8003 modular core switch accessories: Fan tray		
Name	MTM8003-FAN	
Product description		
Description	Modular Fan, Hot-Swap supported, 2 units of the fan module are mandatory for MTS8003	
Order No.	942999804	
Service		
Diagnostics	LEDs (FAN) at basic device	
Technical data		
Operating temperature	0°C55°C	
Scope of delivery and accessories		
Scope of delivery	Fan tray module	



Enterprise Ethernet: MTS8006 modular core switch accessories: Fan tray		
Name	MTM8006-FAN	
Product description		
Description	Modular fan tray , hot-swap supported, 2 units of the fan tray module are mandatory for $\ensuremath{MTS8006}$	
Order No.	942999798	
Service		
Diagnostics	LEDs (FAN) at basic device	
Current consumption		
Activation current	typ. < 40A at 220VAC and cold start	
Technical data		
Operating temperature	0°C55°C	
Scope of delivery and accessories		
Scope of delivery	cope of delivery Fan tray module	



Enterprise Ethernet: MTS8010 modular core switch accessories: Fan tray		
Name	MTM8010-FAN	
Product description		
Description	Modular fan tray , hot-swap supported, 2 units of the fan tray module are mandatory for MTS8010 $$	
Order No.	942999797	
Service		
Diagnostics	LEDs (FAN) at basic device	
Current consumption		
Activation current	typ. < 40A at 220VAC and cold start	
Technical data		
Operating temperature	0°C55°C	
Scope of delivery and accessories		
Scope of delivery Fan tray module		

Order Information		
Product Number	Product Code	Description
942999801	MTS8003-Chassis	MTS8003 Chassis, 6U, MUST have 2×FAN Trays
942999792	MTS8006-Chassis	MTS8006 Chassis, 11U, MUST have 2×FAN Trays
942999791	MTS8010-Chassis	MTS8010 Chassis, 15U, MUST have 2×FAN Trays
942999804	MTM8003-FAN	MTS8003 Fan Tray, Max. 2×Fan Trays
942999798	MTM8006-FAN	MTS8006 Fan Tray, Max. 2×FAN Trays
942999797	MTM8010-FAN	MTS8010 Fan Tray, Max. 2×FAN Trays
942999802	MTM8000-Engine	MTS8000 Engine Module, Max. 2×Engines
942999803	MTM8000-PSU800	MTS8000 800W Power Supply, Max. 4×PSUs
942999793	MTM8000-SF-A	High performance switch fabric module for MTS8000
942999794	MTM8000-SF-S	Standard performance switch fabric module for MTS8000
942999795	MTM8000-SF-24F8X-S	Hybrid card, standard switch fabric module with 24×100M/1000M SFP slots, 8×1/10G SFP + slots
942999796	MTM8000-SF-16F16X-S	Hybrid card, standard switch fabric module with 16×100M/1000M SFP slots, 16×1/10G SFP + slots
942999806	MTM8000-48F2X-S	Media module; 48×Gbit SFP slots, 2×10Gbit SFP + slots
942999807	MTM8000-48T2X-S	Media module; 48×Gbit RJ45 ports, 2×10Gbit SFP + slots
942999808	MTM8000-48TP2X-S	Media module; 48×Gbit RJ45 PoE ports, 2×10Gbit SFP + slots
942999809	MTM8000-24T24F2X-S	Media module; 24×Gbit RJ45 ports, 24×Gbit SFP slots, 2×10Gbit SFP + slots
942999811	MTM8000-16X4Q-S	Media module; 16×10Gbit SFP + slots, 4×40G QSFP + slots
942999810	MTM8000-16X-S	Media module; 16×10Gbit SFP + slots
942999814	MTM8000-52X-A	Media module; 52×10Gbit SFP + slots, high performance
942999812	MTM8000-16Q-A	Media module; 16×40G QSFP + slots, high performance
942999800	MTM8000-4QSFP28-A	Media module; 4x100G QSFP28 slots
942999815	MTM8000-ModuleCover	Media module slot cover
942999816	MTM8000-EngineCover	Switch Engine slot cover
942999817	MTM8000-PSUCover	Switch PSU slot cover

SFP Transceiver Modules



100M SFP Module

Product Number	Product Code	Description
942999873	MTS-SFP-100M-MM/LC	100Mbps, multi-mode, 2km
942999874	MTS-SFP-100M-SM/LC	100Mbps, single-mode, 20km
942999879	MTS-SFP-100M-LX/LC	100Mbps, Single-mode, 1310nm, LC, 40Km, DDMI



1G SFP module

Product Number	Product Code	Description
942999854	MTS-SFP-1G-TX/RJ45	1Gbps,SFP TX/RJ45
942999855	MTS-SFP-1G-SX/LC	1Gbps,Multi-mode,850nm,LC,550m,DDMI
942999856	MTS-SFP-1G-LX/LC	1Gbps,Single-mode,1310nm,LC,20Km,DDMI
942999857	MTS-SFP-1G-LX+/LC	1Gbps,Single-mode,1310nm,LC,40Km,DDMI
942999858	MTS-SFP-1G-LH/LC	1Gbps,Single-mode,1310nm,LC,80Km,DDMI
942999859	MTS-SFP-1G-LH+/LC	1Gbps,Single-mode,1550nm,LC,100Km, DDMI
942999860	MTS-SFP-1G-BIDI-TypeA-LX/LC	1Gbps,Single-mode,TX1310nm,RX1550nm, LC,10Km-TYPE A
942999861	MTS-SFP-1G-BIDI-TypeB-LX/LC	1Gbps,Single-mode,TX1550nm,RX1310nm, LC,10Km-TYPE B
942999862	MTS-SFP-1G-LX+/LC-1550	1Gbps,Single-mode,1550nm,LC,40Km,DDMI



10G SFP module

Product Number	Product Code	Description
942999851	MTS-SFP-10G-SR/LC	10Gbps,Multi-mode,850nm,LC,300m,DDMI
942999852	MTS-SFP-10G-LR/LC	10Gbps,Single-mode,1310nm,LC,10Km,DDMI
942999853	MTS-SFP-10G-ER/LC	10Gbps,Single-mode,1550nm,LC,40Km,DDMI
942999867	MTS-SFP-10G-TX/RJ45	SFP TX/RJ45, 10Gbps full duplex auto neg.
942999870	MTS-SFP-10G-BIDI-TypeA-LR-LC	MTS2600/2700/2800, MTS2900, MTS8000
942999871	MTS-SFP-10G-BIDI-TypeB-LR-LC	MTS2600/2700/2800, MTS2900, MTS8000
942999875	MTS-SFP-10G-ZR/LC	MTS2600/2700/2800, MTS2900, MTS8000



40G SFP module

Product Number	Product Code	Description
942999863	MTS-SFP-40G-SR/LC	40Gbps,Multi-mode,850nm,MPO,100m(OM3),150m(OM4),DDMI
942999864	MTS-SFP-40G-LR/LC	40Gbps,Single-mode,1310nm,LC,10Km,DDMI
942999872	MTS-QSFP-40G-ER/LC	MTS2900, MTS8000



100G QSFP28

Product Number	Product Code	Description
942999876	MTS-SFP-100G-SR	Multi-mode,850nm,MPO,70m(OM3),100m(OM4),DDMI,100GBASE-SR4
942999877	MTS-SFP-100G-LR/LC	Single-mode,WDM:1295.53-1309.14nm,LC,10Km,DDMI,100GBASE-LR4
942999878	MTS-Cable-100G-3M	AOC Cable muti-mode,850nm,DDMI,3m

SFP Applicable Matrix

Applicable Matrix*			MTS2600 Series Switch	MTS2700 Series Switch	THE COURT OF THE C	MTC2800 Series Switch	THE CONTROL	MT62000 Sories Switch		THE COURT OF THE C	MTS8000 Series Switch			RAVEN Series Products		MTR3600 Series Router	
				10G SFP+ port	10G SFP+ port	1G SFP port	10G SFP+ port	10G SFP+ port	40G QSFP port	1G SFP port	10G SFP+ port	40G QSFP port	100G QSFP28 port	1G SFP port	10G SFP+ port	40G QSFP port	1G SFP port
1		942999873	MTS-SFP-100M-MM/LC			•				•							•
2	100M SFP Module	942999874	MTS-SFP-100M-SM/LC			•				•							•
3		942999879	MTS-SFP-100M-LX/LC			•				•							•
4		942999854	MTS-SFP-1G-TX/RJ45			•		•		•	•			•			
5		942999855	MTS-SFP-1G-SX/LC	•	•	•	•	•		•	•			•			•
6		942999856	MTS-SFP-1G-LX/LC	•	•	•	•	•		•	•			•			•
7		942999857	MTS-SFP-1G-LX+/LC	•	•	•	•	•		•	•			•			•
8	1G SFP Module	942999858	MTS-SFP-1G-LH/LC	•	•	•	•	•		•	•			•			•
9		942999859	MTS-SFP-1G-LH+/LC	•	•	•	•	•		•	•			•			•
10		942999860	MTS-SFP-1G-BIDI-TypeA-LX/LC	•	•	•	•	•		•	•			•			•
11		942999861	MTS-SFP-1G-BIDI-TypeB-LX/LC	•	•	•	•	•		•	•			•			•
12		942999862	MTS-SFP-1G-LX+/LC-1550	•	•	•	•	•		•	•			•			•
13		942999851	MTS-SFP-10G-SR/LC	•	•		•	•			•				•		
14		942999852	MTS-SFP-10G-LR/LC	•	•		•	•			•				•		
15		942999853	MTS-SFP-10G-ER/LC	•	•		•	•			•				•		
16	10G SFP Module	942999867	MTS-SFP-10G-TX/RJ45					•			•				•		
17		942999870	MTS-SFP-10G-BIDI-TypeA-LR-LC		•		•	•			•				•		
18		942999871	MTS-SFP-10G-BIDI-TypeB-LR-LC		•		•	•			•				•		
19		942999875	MTS-SFP-10G-ZR/LC		•		•	•			•				•		
20		942999863	MTS-SFP-40G-SR/LC						•			•				•	
21	40G SFP Module	942999864	MTS-SFP-40G-LR/LC						•			•				•	
22		942999872	MTS-QSFP-40G-ER/LC						•			•				•	
23	100G	942999876	MTS-SFP-100G-SR										•				
24	QSFP28	942999877	MTS-SFP-100G-LR/LC										•				
25	Module	942999878	MTS-Cable-100G-3M										•				

 $^{^*}$ Marked with point means the SFP can be used in the port of certain type of Hirschmann IT products and blank means the SFP cannot.

Stacking Cable



10G Stacking Cable

Product Number	Product Code	Description
942999868	MTS-Cable-10G-1M	10G Stacking Cable, 1M, Including 2*SFP+ Connectors
942999869	MTS-Cable-10G-3M	10G Stacking Cable, 3M, Including 2*SFP+ Connectors



40G Stacking Cable

Product Number	Product Code	Description
942999865	MTS-Cable-40G-1M	40G Stacking Cable, 1M, Including 2*QSFP Connectors
942999866	MTS-Cable-40G-3M	40G Stacking Cable, 3M, Including 2*QSFP Connectors



100G Stacking Cable

Product Number	Product Code	Description
942999878	MTS-Cable-100G-3M	100G Stacking Cable, 3M, Including 2*QSFP28 Connectors



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