

Item	MA5680T
System performance	
Backplane bus switching capacity	3.2 Tbit/s
System L2 packet forwarding rate	SCUB: 72 Mpps
	SCUN: 726 Mpps(Active/Standby mode), 1452 Mpps(Load-sharing mode)
	SCUF: 190 Mpps
	SCUH: 1428 Mpps(Active/Standby mode), 2856 Mpps(Load-sharing mode)
Control board switching capacity	SCUB: 48 Gbit/s
	SCUN: 480 Gbit/s(Active/Standby mode), 960Gbit/s(Load-sharing mode)
	SCUF: 128 Gbit/s
	SCUH: 960 Gbit/s(Active/Standby mode), 1920Gbit/s(Load-sharing mode)
Switching/Forwarding delay	Short forwarding delay: The 100 Mbit/s Ethernet port sends the 64-byte Ethernet packets at a delay shorter than 20 μ s.
Supported Service Board	
Uplink Boards	GICF(2*GE Uplink Board)
	X2CS(2*10GE Uplink Board)
Service Board	GPBD(8-port Gpon with SFP B+/C+/C++)
	GPBH(8-port Gpon with SFP B+/C+/C++)
	GPFD(16-port Gpon with SFP B+/C+/C++)
	XGBD(8-port 10G GPON with SFP+ N1/N2a)
	EPBD(8-port Epon with SFP PX20/PX20+/PX20++)
	EPFD(16-port Epon with SFP PX20/PX20+/PX20++)
	XEBD(8-port 10G EPON with SFP+ PRX30)
Board Slot	
Control board slot	7, 8
Service board slot	1-6, 9-16

upstream interface board slot	17, 18
Universal interface board slot	0
Power board slot	19, 20
Upstream/Cascading Port	
GE/10GE ports (Control board)	SCUN/SCUK: 8 x GE (in the load-sharing mode) SCUH: 8 x GE/10GE (in the load-sharing mode) SCUB/SCUF: 4 x GE (in the active/standby mode)
Access port	
GPON ports	224
XG-PON ports	N/A
XGS-PON ports	N/A
GE/FE ports	672
10GE ports	N/A
SuperVector ports	N/A
Vectoring ports	768
ADSL2+ ports	N/A
VDSL2 ports	896
POTS ports	448
SHDSL ports	448
ISDN ports	448
System Parameters	
Band Width per slot	N/A
Bit error rate (BER) in full load	<10 e-7
System availability for the typical configuration	>99.999%
System forwarding capacity	N/A

Switching capacity of the control board	SCUN/SCUK: 480 Gbit/s in active/standby mode or 960 Gbit/s in load-sharing mode SCUH: 960 Gbit/s in active/standby mode or 1920 Gbit/s in load-sharing mode SCUB: 48 Gbit/s SCUF: 128 Gbit/s
MAC address	SCUN/SCUK: 32768 SCUH: 134072
Access ONT	SCUN/SCUK: 8192 SCUH: 16384
IPv4 routing table	SCUN/SCUK: 5120 SCUH: 12288
IPv6 routing table	SCUN/SCUK: 5120 SCUH: 6144
ARP table	SCUN/SCUK: 8192 SCUH: 16384
Supported cabinet	
Indoor cabinet	N66E-22
Outdoor cabinet	N/A
Physical Parameters	
Dimensions (W x D x H, excluding mounting brackets)	442 mm x 275.8 mm x 441.7mm
Dimensions (W x D x H, including mounting brackets of IEC standard)	N/A
Maximum Weight at full configuration	30.54 kg
Power Supply	
Power supply mode	DC
Rated voltage	-48 V/-60 V
Working voltage range	-38.4 V to -72 V
Maximum input current	40 A
Environmental Parameters	
Ambient temperature (for normal device running)	-40 °C to +65 °C
Ambient temperature (for normal device startup)	-25 °C to +65 °C

Ambient humidity	5%RH to 95%RH
Atmospheric pressure	70 kPa to 106 kPa
Altitude	≤4000 m