

Item	MA5683T
Backplane bus switching capacity	1.5 Tbit/s
System L2 packet forwarding rate Power	SCUB: 72 Mpps SCUN: 726 Mpps(Active/Standby mode), 1452 Mpps(Load-sharing mode) SCUK: 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) SCUK: 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.
BER in full load	BER of port when transmitting data in full load < 10 e-7
System performance	
System	Redundant configuration
System availability in typical configuration	>99.999%
Mean Time Between Failures (year)	\approx 45
Configuration	
Maintenance port	Number of 10 Mbit/s/100 Mbit/s maintenance Ethernet ports: 1 Number of serial ports for local/remote maintenance: 1
Monitoring port	Number of environment monitoring serial ports: 1
Maximum number of GPON ports in a subrack	96
Maximum number of 10G GPON ports in a subrack	24
Maximum number of P2P FE ports in a subrack	288
Maximum number of P2P GE ports in a subrack	288

Maximum number of upstream ports (GE ports in the GIU slot) in a subrack	8
Maximum number of upstream ports (10GE ports in the GIU slot) in a subrack	4
Management ports	
Outband management Ethernet port (RJ-45)	SCUB/SCUN/SCUF/SCUH control board: 1 Port Board
Local serial port (Console)	SCUB/SCUN/SCUF/SCUH control board: 1 Port Board
Upstream ports	
GE electrical port	GICE: 4 Ports Board GICG: 2 Ports Board
GE optical port	GICF/GICK: 2 Ports Board SCUB/SCUN/SCUH/GICD/GSCA: 4 Ports Board ETHB/SPUA/SPUF: 8 Ports Board SPUC: 40 Ports Board
10GE optical port	X2CS/SPUA: 2 Ports Board SPUC: 4 Ports Board SPUF: 8 Ports Board
E1 port	TOPA: 16 Ports Board
STM-1 upstream optical port	TOPA: 2 Ports Board
PON upstream optical port	P2CA: 2 Ports Board (One PON port is available and the other is backup.)
Service ports	
GPON port	GPBD/GPBH: 8 Ports Board GPFD: 16 Ports Board
10G GPON port	XGBC: 4 Ports Board XGBD: 8 Ports Board
P2P GE optical port	OPGD/OPGE: Single-fiber bi-directional: 48 Ports Board, Two-fiber bi-directional: 24 Ports Board
P2P FE optical port	OPFA: 16 Ports Board OPGD/OPGE: Single-fiber bi-directional: 48 Ports Board, Two-fiber bi-directional: 24 Ports Board
Ethernet optical port	ETHB: 8 Ports Board
E1 port	H802EDTB: 16 Ports Board
Device Specifications	

Dimensions (W x D x H excluding mounting brackets)	442.00 mm x 283.20 mm x 263.90 mm
Dimensions (W x D x H, including mounting brackets)	535.00 mm x 283.20 mm x 263.90 mm, for ETSI cabinet 482.60 mm x 283.20 mm x 263.90 mm, for IEC cabinet
Weight (empty chassis)	7.0kg
Working environment temperature	For an indoor cabinet Configured with 1 subrack: -25°C to +65°C Configured with 2 subracks: -25°C to +55°C
Working environment humidity	5% RH to 95% RH
Atmosphere pressure	61 kPa to 106 kPa
Altitude	< 4000 m