

Tilgin MSA980

Managed GPON Fiber Solution



Tilgin's series of managed FTTH solutions offer operators a small and flexible fiber termination point. The series include a generic passive part to be installed during fiber termination as well as several active parts that also can be installed by the end-user.



MSA980 fiber handling and active unit.

MSA980 is an important part in our flexible premises solution portfolio and extends the solution to include GPON. The MSA980 has the ability to separate the home gateway from the fiber entrance in the home. The MSA980 together with the passive fiber termination part FTU970 handles winding and splicing of multiple fiber strands in an intelligent manner. Discreet and easy to install the MSA980 is the optimal solution for a modern FTTH installation.

It gives the end users the possibility to place the gateway in the best possible location in the premises, taking wireless coverage and cabling into consideration. The MSA980 easy-click's system make it easy for end-users to handle the MSA980 themselves and enable them to replace or upgrade the MSA980.

The MSA980 fully support the different GPON deployment models and PON management via OMCI. There is also an option for reading status and statistics via TR-069 (roadmap).

Active unit	WAN Fiber Ports	LAN Ethernet Ports	RF output
MSA983	GPON 2.488/1.244 Gbps	1 X 1000 Base-TX	-

WAN	GPON - Networking	Regulatory Compliances
GPON 2.488/1.244 Gbps, 1490 nm, 1310 nm, Optical Connector: SC/APC Class B+:13 - 28dB Receiver sensitivity < - 30 dBm	Support G.984.1,2,3,4,5, G.988 256 GEM port ID's, 32 T-CONT, 64 GEM ports per T-CONT Ethernet bridging with L2/L3 classification 10k bytes jumbo frames, 802.1p/q	CE mark, WEEE, RoHS
	Management	Other
	OMCI according to G.984.4, G.988 Full support for the different GPON deployment models Local GUI TR-069 management for status and statistics (roadmap) Management IP address via DHCP or static configuration	LED for Status/Power, copper interface, fiber interface
LAN		Physical Specifications
10/100/1000 Base-TX Connector: RJ45 Auto negotiation, Auto MDI/MDI-X		Dimension 55*135*135 mm Weight: < 500 g Operating temperature: 0-40C/ 32-104F Non-operating temperature: -20-70C/ -4-158F Operating humidity, RH, non-condensing: 10-80% Non-operating humidity, RH, non-condensing: 5-95% External power supply: In: 100-240VAC

