



SEPITAM

ONE STEP SMARTER

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SEPITAM
OTN-1000A



TYPE: SEPITAM-OTN-1000A

Sepitam WDM multiplexers, including CWDM and DWDM, support various transmission rates and long-distance coverage while utilizing standard wavelengths. They enable the high-speed transmission of multiple services with optimized fiber utilization. Integration with OTN networks and the deployment of various modules such as EDFA, DCM, OTU, and etc. enhance the efficiency and performance of fiber optic networks, ensuring the quality and speed required by customers.



▶ TYPE: SEPITAM-OTN-1000A

▶ Description:

The integrated C/DWDM platform of the optical transmission network system OTN1000A is mainly used in the metropolitan area access layer network. It can complete the functions such as optical fiber saving, service multiplexing and distance extension. It can also solve the shortage of fiber resources in the access layer network and provide clients a good solution of broadband multiple service access with low cost and high efficiency. OTN1000A can cooperate with other OTNS series products and build networks according to different requirements.

▶ Properties:

- The standard 1U rack type design fully adopts the way of wire connection on the front panel, provides 7 pluggable slots, including 3 service board slots, 1 network management board (or service board) slot, 1 fan board slot and 2 power board slots.
- It supports the WDM for all types of service with the rate of 100Mbit/s~10Gbit/s, and meet the requirements of multiple service access.
- It supports CWDM and DWDM, and its boards are available for both coarse wavelength and dense wavelength.
- It supports the access of up to 16 bidirectional 10G services or 32 unidirectional 10G services on single equipment, and the expansion of transmission capacity is available through the equipment stack.
- It supports a transmission distance of 120 km for 2.5G, a transmission distance of 80 km for 10G. And longer-distance transmission can be achieved by configuring the optical amplifier or dispersion compensation unit.
- It supports application scenes of single fiber unidirectional transmission, single fiber bidirectional transmission and double fiber bidirectional transmission.
- It supports a unified network management platform and provides a perfect performance monitoring ability in network and equipment.
- It supports the power supply of 220V AC or -48V DC, with 1+1 power input protection.
- It supports deployment in various locations such as cabinets, outdoor cabinets, desktops, hanging walls and holding poles.
- It supports installation of free configuration and it is the plug-and-play type.

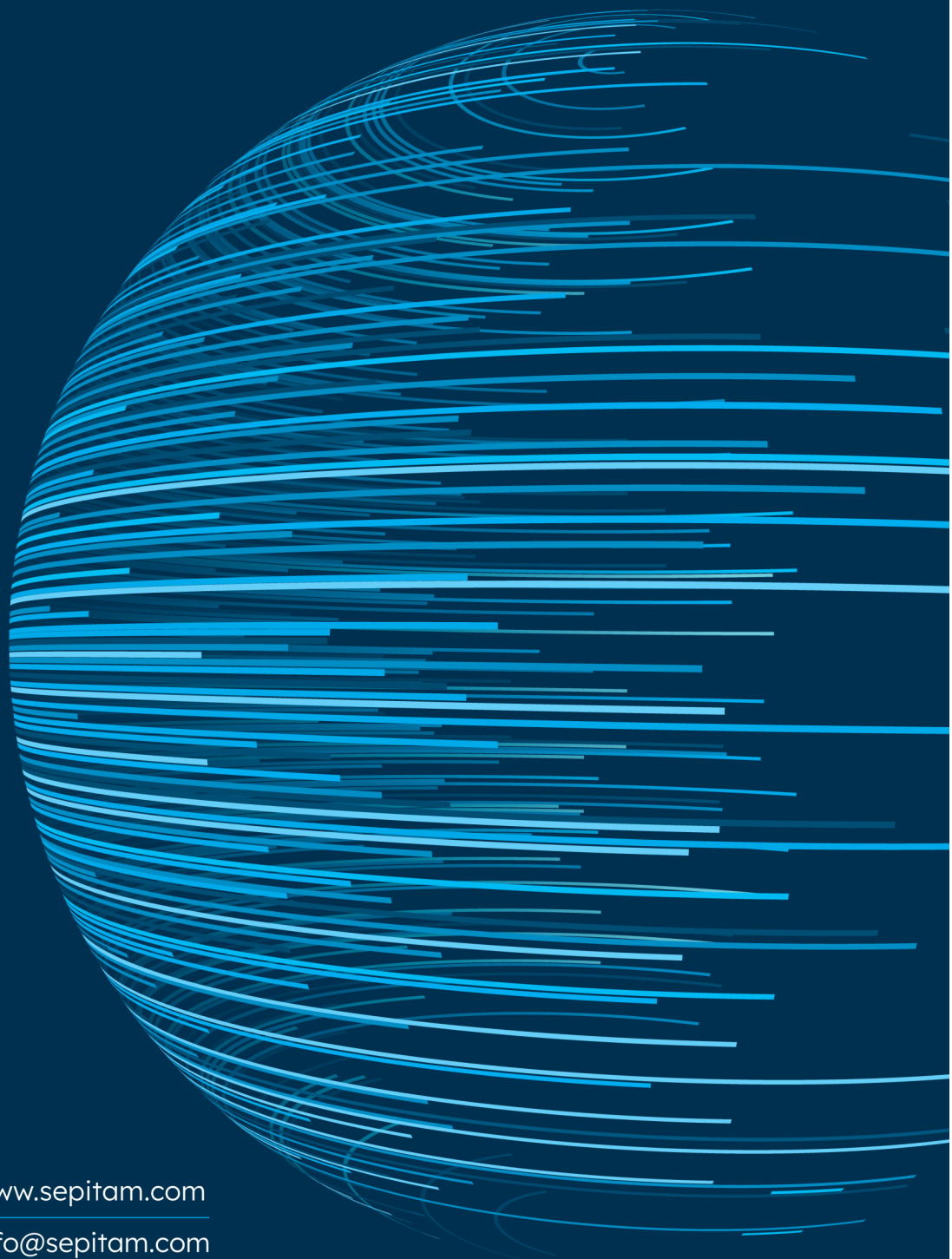


- It adopts the green energy-saving design with power consumption of 60W in typical configuration.

► Specifications:

Model	Sepitam-OTN1000A
Equipment size	1U:44 mm (height)x442 mm (width)x220 mm (depth)
Service slot	4 slots (the network management board is optional for one of the slots)
Transmission capacity of single equipment	16 * 10G bidirectional transmission 32 * 10G unidirectional transmission
Wavelength	CWDM:1271nm~1611nm DWDM:C Band, 100 GHZ or 50 GHZ
Maximum rate of single channel	10Gbps
Transmission distance	80km (without optical amplification)
Service interface type	100M~10G all kind of services, including services of STM-1/4/16/64, OC-3/12/48/192, FE, GE, 10GE, FC100/200/400/800/1200, FICON, ESCON, EPON, GPON, CPRI 1/2/3/6/7
Clock features	Support IEEE 1588 V2
Optical transceivers	SFP/SFP+, LC type interface
Network topology	Point to point, chain type, star type, ring type
Installation	"19"and 23" cabinets, ETSI 300mm/600mm cabinets Wireless outdoor base station cabinet, FTTX outdoor cabinet, hanging wall, holding pole.
Working temperature range	-10°C ~ +60°C (typical)
Working humidity range	5~95% without condensation
Storage temperature range	-40°C ~ +85°C
Heat dissipation	Fan cooling
Power supply mode	AC: 90~260 V or DC: -36~-72 V (support 1+1 backup power input)
Power consumption	60W (typical)

Technical Specification of Sepitam-OTN1000A



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