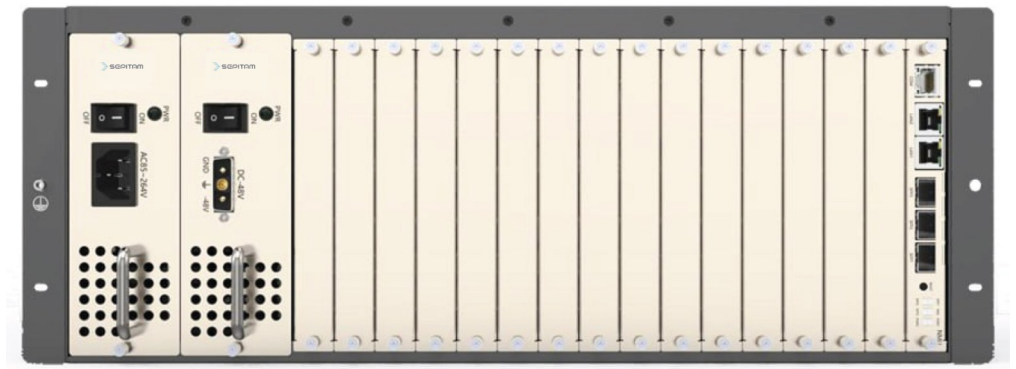# SEPITAM

ONE STEP SMARTER

www.sepitam.com

SEPITAM
RK16S4U

TYPE:

Sepitam-RK16S4U

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.

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▶ TYPE: Sepitam-RK16S4U

▶Description:

The Optical Layer product series OTN is a new generation, high-capacity, and multi-service access optical network platform introduced by Sepitam. This platform features high integration of services, large port density, diverse types of services, and flexible configurations. It supports a graphical management interface based on the SNMP protocol in either C/S or B/S architecture, providing clear fault localization for efficient management and maintenance, thereby reducing maintenance costs.

This platform is widely used in telecommunications operators, broadcasting and television, power, education, cloud computing, and information security sectors. It is designed for all-optical networks and is applied in national, inter-provincial, intra-provincial trunk lines, local metropolitan area networks, and various dedicated networks. The platform offers

independent and transparent transmission of transport signals, multiplexing of multiple signals to save optical fiber resources, and ensures security and reliability. It helps customers build long-distance, highly reliable, secure, flexible, and disaster-resistant optical transport networks, making it the optimal solution for coping with the scarcity of optical cable resources.

▶ Properties:

- Flexible networking with a compact footprint and strong scalability.

- Supports hot-swappable CWDM/DWDM/EDFA/OLPS/OTAP service cards.

- Supports access to various services such as SDH, SONET, Ethernet, SAN, OTN, and Video.

- Supports maximum single-channel rates of 100G, 200G, 400G.

- Supports various networking configurations, including point-to-point, point-to-multipoint, and ring topologies, with options for single-fiber or dual-fiber bidirectional transmission.

- Supports interoperability with client devices from different vendors, including single-mode (1310nm/1550nm), multimode (850nm/1310nm), and Ethernet ports (RJ45), enabling optical add-drop multiplexing (OADM) functionality and wavelength conversion at intermediate nodes.

- Supports SNMP-based unified network management platform with management options including CLI (telnet and console), web interface, and NetView (graphical interface).

- Supports 1+1 hot-swappable redundant power backup with options for both AC and DC power sources.

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▶ Specifications:

Model	Sepitam-RK16S4U
Equipment size (mm)	483(W)×178(H)×280(D)
Service slot	16 slots (the network management board is optional for one of the
Wavelength Range	DWDM:1529.16nm~1567.14nm, CWDM:1271nm~1611nm
Channel Spacing	50/100 GHz fixed 37.5-400 GHz flex-grid
Supported Service Types	SDH, SONET, Ethernet，SAN，OTN，Video
Maximum Single-Channel Rates	100G, 200G, 400G
Optical Interface Transmission	Supports 2R transmission mode for transparent transmission between 32M and 111.81Gbit/s. Supports 3R transmission mode with optional rates including 155Mbit/s, 622Mbit/s, 1.25Gbit/s, 2.488Gbit/s, 4GFC, 8GFC, 10GFC, 11.3Gbit/s, 25G-bit/s, 40Gbit/s, 56Gbit/s, 100Gbit/s, 200Gbit/s, and 400Gbit/s.
Network Management	CLI, NetViver, Web
Network topology	Point-to-point, ring, star, chain, tangent ring, mesh
Environmental Requirements	-10℃~50 ℃ (Operating) -40 ℃~80 ℃ (Storage) 5%~95% non-condensing (Relative Humidity)
Power Requirements (Typical)	AC Power Supply: Voltage Range: 90V~264V, 50/60Hz DC Power Sup-
Power consumption	<300W

Technical Specification of Sepitam-RK16S4U