Aviat NETWORKS

High-Capacity Microwave & Optical Transport Platform
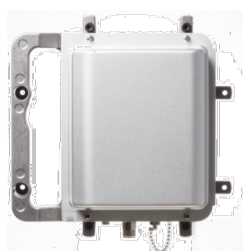
Pasolink VR series

Aviat Pasolink VR is a key component in Aviat's transport network portfolio, extending the platforms capabilities beyond traditional microwave. Pasolink VR integrates our high-performance microwave with a carrier-class packet switch supporting Layer 2 services required for demanding high-capacity backhaul and fronthaul network applications.

The split-mount platform also supports legacy interfaces for operators who need to continue support older infrastructure. Coupled with Aviat's advanced NMS tools, the platform delivers end-to-end network management and automation options that makes Pasolink VR the logical option for your next generation 5G network rollout.

Feature-rich and Flexible Platform

Pasolink VR 10

Pasolink ODU Series

4096 QAM

10 ch Radio Aggregation

Carrier Class Packet Switch

L1 & L2 Multi Band

Channel Aggregation

5G Ready

■ Radio Features
- Full range of frequency (6 GHz – 23 GHz)
- QPSK – 4096QAM with Adaptive Modulation Radio (AMR)
- Various channel spacing (up to 80 MHz)
- 1+0, 1+1, N+0, XPIC function
- Radio Traffic Aggregation (RTA), Multi Traffic Aggregation (MTA), Service Switch function
- Full chassis redundancy

■ Various Interfaces
- MODEM : 12
- Ethernet : 10 / 1 GbE opt. and 1 GbE ele.
- TDM : E1 (native / PWE) and STM-1

■ Packet and TDM Features
- Ethernet Ring Protection Switching (ERPS)
- ETH OAM
- Hierarchical QoS
- SyncE / PTP T-TC, T-BC (G.8275.1)
- E1 SNCP

■ Others
- Function Compatibility with conventional iPASOLINK series
- Universal slot modules
- Secure Standard protocols

Increase Capacity with maximum return of investment

Pasolink VR is designed for high-capacity and flexibility, offering a range of configuration options to address the growth requirements for 5G networks. A simple upgrade process allows operators to deploy a single radio, add a second later and more as required, all the way up to 12 channels, cost effectively adding capacity as needed. The aggregation options include adding radios from multiple bands including mixing microwave and E-Band and allows operators to choose between Layer-1 or Layer-2 based aggregation engines.

Reducing CAPEX with backward compatibility and modular design of the platform, allowing cost-effective upgrades now and in the future.

Versatile and dynamic H-QoS management to enable implementing more services in the same bandwidth, resulting in higher SLA profit margins.

Specifications

Frequency band		6 / 11 / 18 / 23 GHz	
Channel spacing		5 / 10 / 20 / 30 / 40 / 50 / 60 / 80 MHz	
Modulation and AMR range		QPSK to 4096QAM	
Interfaces	Radio	VR 10 : Up to 12ch	
	10GbE	VR 10 : Up to 2 SFP+ VR 10 : Up to 10 SFP+*	*: depends on mode
	GbE	VR 10 : Up to 16 SFP	
	STM-1	VR 10 : Up to 14 STM-1	Available for ETH/TDM Dual Model
	E1	E1 - VR 10 : Up to 224, PWE - VR 10 : Up to 128	Available for ETH/TDM Dual Model
L2 Switch function	Switch Capacity	VR 10 : 112 Gbps	
	VLAN	IEEE 802.1Q, IEEE 802.1ad, MEF 9 Certified EPL, EVPL and ELAN services supported	
	QoS	Ingress policer, Egress 4 / 8 class SP+DWRR Hierarchical shaping, WRED or WTD	
	Protection	RSTP, MSTP, ERPS	
Traffic Aggregation		Link Aggregation, RTA (Up to 10 ch), Service Switch function	
Synchronization		SyncE, PTP T-TC / BC (G.8275.1), TDM (STM-1, E1, ACR), MODEM	
Management		SNMPv3, Web LCT, CLI (SSHv2)	
Dimensions		VR 10 : 430(W) x 129(H) x 230(D) mm	
Power supply condition		-40.5 to -57 VDC	
Temperature range		-5°C to +50°C (No condensation)	