Aviat NETWORKS

ProVision Plus

MANAGEMENT & APPLICATION PLATFORM

DATASHEET

ProVision Plus is an advanced management and application platform delivering the insight and control needed to manage modern wireless transport and access networks. It tames the complexity of technologies like 5G mobile and IoT, reduces OPEX, and provides a solution for operators struggling with reduced budgets and fewer experienced technical personnel.

ProVision Plus minimizes total cost of ownership for wireless networks, through optimization, process streamlining, and automation. It is open and programmable, supporting custom-built applications to automate the network lifecycle, adding increasing value for communication service providers.

Advanced Multilayer Troubleshooting: See across multiple layers to cut through the flood of alarms and quickly identify the root cause.

Simplified Automated Operations: Automate software updates and license upgrades, while using script broadcasting and service pre-provisioning for fast commissioning.

Integrated Layer 3 Management: Easily perform MPLS provisioning, monitoring, and troubleshooting.

Flexible deployment Options: Host ProVision Plus on-premises or in our Aviat Cloud with the option of multiple-server deployment for high availability or increased capacity.

Licensable Features as and When You Need Them: ProVision Plus supports an integrated set of licensed modules, which can be enabled to address your requirements.

Geo-map-based GUI – web-based point-and-click interface offering real-time network status and access to Aviat-supported devices in a 'single pane of glass'

Proactive radio link health and interference management – monitoring and analysis for early warning of performance issues before they affect service

Future-proof integration into third-party applications – including OSS, orchestrators, SDN, and other applications via RESTCONF/YANG NBI

ProVision Plus

MANAGEMENT & APPLICATION PLATFORM

DATASHEET

Specifications

Devices Managed	
Via direct NETCONF/YANG connection	WTM 4000, CTR 8700
Via direct SNMP connection	RDL-3000/3100, Pasolink VR2, VR4, VR10, iX/A, EX/A, EX/AD, VR10 + 7000iP RFU, Pasolink 100/100A/100E, 200/200A, 400/400A, 1000
Via ProVision EM Integration	Eclipse, CTR 8300/8500, IRU 600, ODU 600, and 3rd-party devices

Product Modules Available	
EM Fault & Performance	For element management of WTM 4000, CTR 8740, RDL 3000 and Pasolink devices
EM Integration with ProVision	Seamless integration with Aviat ProVision software to provide single pane of glass management for Aviat Eclipse, CTR 8540/8300, legacy products, and third-party devices using ProVision Generic Device Support (GDS)
EM Provisioning	Provisions WTM 4000 series, CTR 8740, and RDL-3000 & 6000 devices (Requires EM Fault & Performance module)
CE Fault & Performance	For Carrier Ethernet management including customer and provider bridging, clock synch, and multi-layer troubleshooting and impact analysis (Requires EM Fault & Performance module)
MPLS Fault & Performance	Manages WTM 4000 and CTR 8000 series devices, including L2VPN, L3VPN, QoS, and NBI access to VPN service information (Requires EM Integration with ProVision module for Eclipse or CTR 8540, and EM Fault & Performance module for WTM 4000 series or CTR 8740)
MPLS Provisioning	Provisions MPLS for WTM 4000 and CTR 8000 series devices including L2VPNs and L3VPNs with QoS (Requires EM Integration with ProVision module for Eclipse or CTR 8540, and EM Fault & Performance module for WTM 4000 series or CTR 8740)
Health Assurance Software (HAS)	Advanced detection and analysis tool giving early warning of radio link performance problems (Requires EM Integration with ProVision module for Eclipse or CTR 8540, and EM Fault & Performance module for WTM 4000 series, CTR 8740, or RDL3000)
Frequency Assurance Software (FAS)	Monitors, detects, analyzes, and reports radio link interference to inform action for mitigation or elimination (Requires EM Integration with ProVision module for Eclipse or CTR 8540, and EM Fault & Performance module for WTM 4000 series or CTR 8740)
High Availability (HA)	Manages routing configurations (via CTR 8740) to ensure maximum network uptime and reliable operation for critical traffic applications
Northbound Interface (NBI)	IETF-defined RESTCONF NBI for future-proof integration into operation support systems (OSS), orchestrators, SDN super controllers, and custom applications (NBI Lite option provides integration into OSS systems only)
SNMP Event NBI	Enables integration with SNMP event managers by forwarding PV+ events and alarms as SNMP V2c traps to multiple remote event consumers

Software Requirements	
Web Browser	Google Chrome or Microsoft Edge Chromium on Windows
Server Operating System	Windows Server (2012R2, 2016, 2019, or 2022) 64 bit Windows (10 or 11) 64 bit

ProVision Plus

MANAGEMENT & APPLICATION PLATFORM

DATASHEET

Hardware Required for Modules	Max Devices Managed	Cores	RAM (GB)	Disk (GB)	Processor Example
EM Fault & Performance	100	4	16	100	See * below
	500	8	32	500	Xeon Silver 4210
	1000	8	32	500	Xeon Silver 4210
	3000	16	64	1000	Xeon Gold 5218
EM Integration with ProVision	100	4	16	100	See * below
	500	8	32	500	Xeon Silver 4210
	1000	8	32	500	Xeon Silver 4210
	3000	16	64	1000	Xeon Gold 5218
CE Fault & Performance	100	4	16	100	See * below
	500	8	32	500	Xeon silver 4210
	1000	8	32	500	Xeon Silver 4210
	2000	16	64	1000	Xeon Gold 5218
MPLS Fault & Performance	300	8	32	500	Xeon Silver 4210
High Availability (HA) Monitor**	-	1	4	20	
	-	2	8	50	
EM and MPLS Provisioning modules, HAS, FAS, and NBI	-	no extra	no extra	no extra	

* Intel Xeon Silver 4110 processor (or equivalent) is the minimum for managing more than 100 WTM4000 or CTR8740 devices.

** The first row of figures is for an existing server (additional resources required), and the second row is for a stand-alone server. The HA Monitor requires a pair of redundant servers each running ProVision Plus.

The above hardware requirements are the same for a physical server or virtual machine. To find total requirements for a combination of modules, add Cores and RAM requirements for individual modules. If running ProVision Plus on the same server as ProVision and FAS, total requirements can be found in the PV+ software Release Notes.

Disclaimer

This material is for informational purposes only and does not constitute a legal obligation to deliver any product, feature or functionality and should not be relied upon in making purchasing decisions. All specifications are subject to change without notice. The development, release and timing of any features or functionality described for our products is at Aviat Networks' sole discretion.

For details of availability, Please contact your Aviat Networks Sales Representative.