





Having a Hard Time Understanding your Network?

As the number of IoT devices grows, network complexity increases, making network management laborious.

Allied Telesis offers an integrated solution that simplifies network management.





Unified Management

Issue

- Cannot understand configurations due to network complexity
- Difficulty in identifying bottlenecks or detecting their signs
- Difficulty in understanding the logical configuration of VLANs
- Difficulty in managing all multi-vendor configurations concurrently

Solutions

Display of Unified Maps

- Can display the entire network in a wide view on unified maps
- Easily detect bottleneck signs on the traffic monitor with integrated LAN/WAN
- Display VLANs on unified maps to reduce risk of errors
- Manage IoT devices on unified maps

Equipped with an enhanced unified mapping function to immediately comprehend network configurations, including LAN/WAN, for grouping and tiering. Network device communications can be seen, not only through real-time information, but also by viewing communication history. VLAN settings and management can be easily implemented with point and click simplicity.

A Integrated Display of LAN, WAN, and Wireless Networks

An integreted LAN, WAN, and wireless map is automatically created. Manage all devices or groups of devices.



AT**-VISTA** MANAGER" EX

B Identification of LAN and WAN bottlenecks

Traffic and path information is displayed with integrated LAN/WAN.This makes it easy to identify bottlenecks.







Easy to Check VLAN Configuration

VLAN settings are visualized to reduce the risk of setting errors.It is also easy to check the logical connection between devices on a map.





Devices Are Displayed on the Map

The unified maps can display other companies' devices as well. Even centralized management of network cameras is possible.

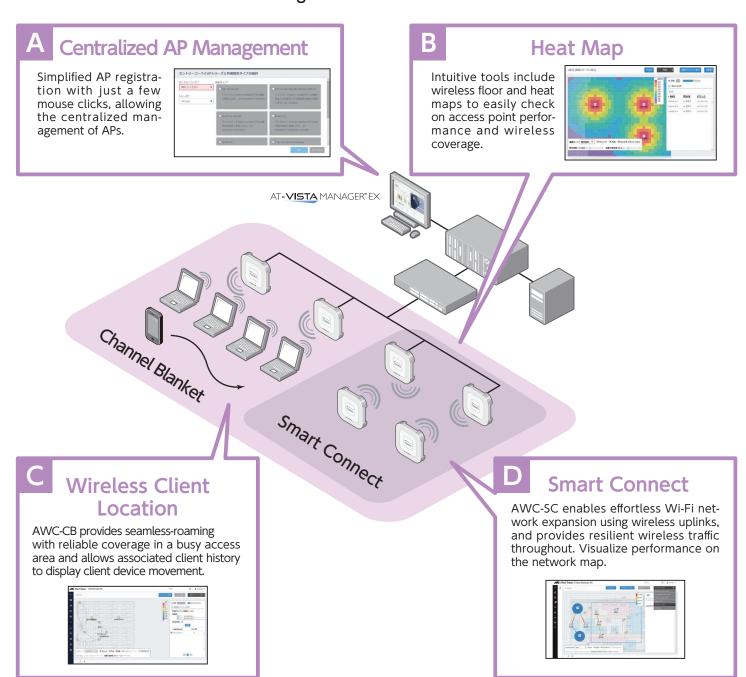


Seamless Wireless LAN Connection

Solutions Issue

- Intricate wireless network setting.
- Time-consuming process to set up.
- ·Indistinguishable connections.
- Unstable data communications between mobile devices.
- **Optimization and Visualization**
- Automated optimization of channels and output signals.
- Flexibly adapts to any environment, automatically optimizing the wireless signal to maximize performance.
- Display of client's location and location history.
- Resolves the sticky clients problem and roaming.

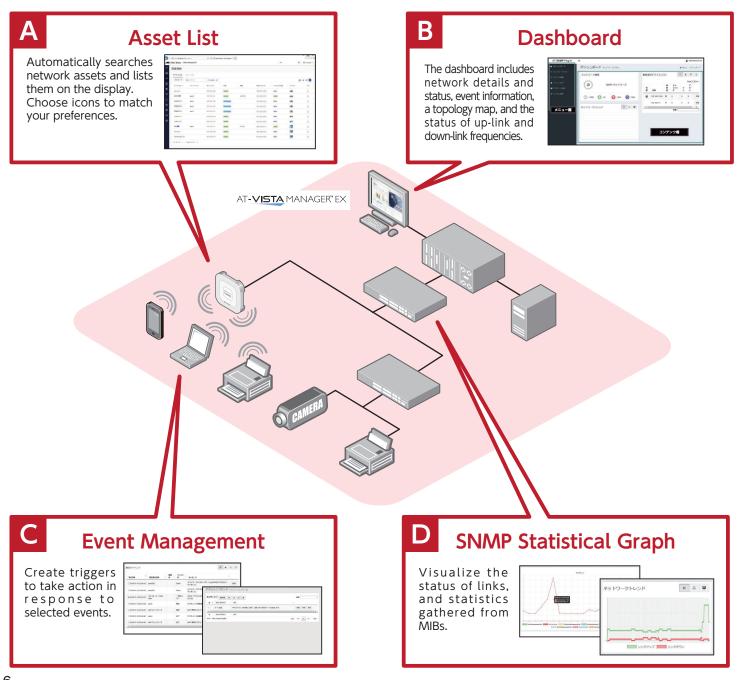
Visualize wireless network and Access Point (AP) registration with just a few mouse clicks. AT-Vista Manager EX includes Autonomous Wave Control (AWC), allowing automatic optimization of wireless signals and channels, and AWC-CB, allowing seamless data communication without roaming.



Integrated Asset Management

Different devices have different administrative software. Management of many of device. Ineffective delegation of tasks. Solutions Unified Management, including third-party devices View the status of the entire network, and manage events. Visualize statistics. Graphically manage assets.

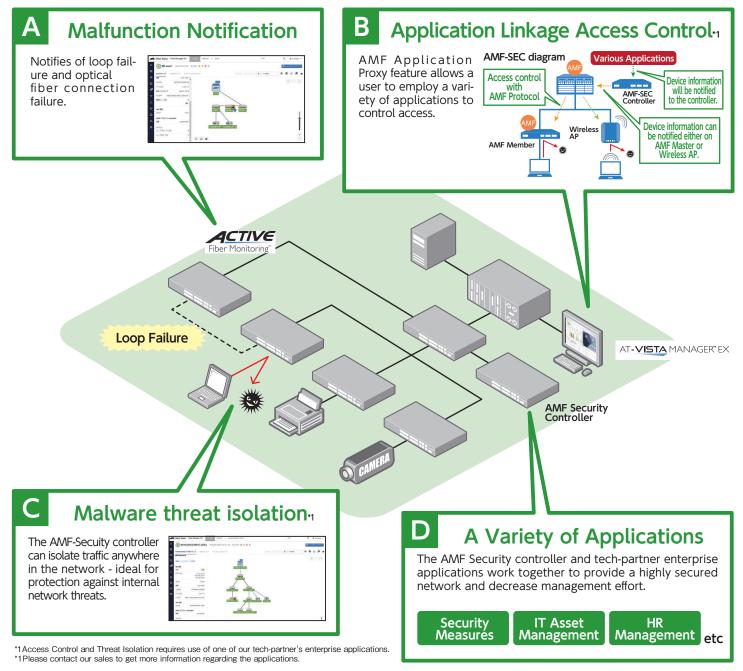
Central management of a variety of IoT devices, including servers, storage devices, IP cameras, and printers. Network devices from other vendors can be visualized.



Robust and Functional Network

Cyber attacks target IP cameras and IoT devices. Location of failed devices or links is unknown. Complex data is unuseful. Network cyber security enhancement and its visualization Link with external security applications to stop malicious attacks and threats. Automated and immediate response to any malware threats. No administrator action required.

AMF-Security (AMF-Sec) enables an immediate and automated response to malware threats or information leakage. Partner with Allied Telesis or other vendors security appliances. Visualize the location of any suspect activity on the network map.



The Best Use for AT-Vista Manager EX

Small to Large sized businesses Flexible WAN/LAN Management

Visualizes Large-Scale Networks through Integrated Management

Integrated management of WAN, LAN, wired, and wireless networks and the visualization of device and traffic status provide automated and simplified administration. AT-Vista Manager EX, which uses a plugin system, is a powerful network management tool, supporting up to 3000 APs, and thousands of switches.

Benefits of AT-Vista Manager EX

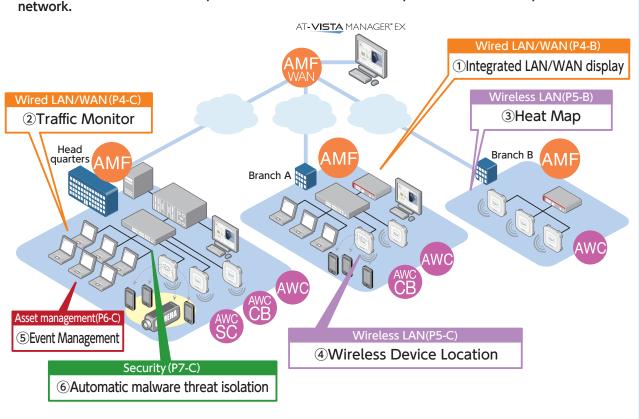
- ■Unified management of WAN, LAN, wired, and wireless networks
- ■Support third-party devices with SNMP
- ■Flexible licensing enables easy network growth



Usage Example

①Unified management of headquarters and branches. ②Visualize bandwidth utilization and protocol use. ③Visualize wireless network coverage and performance. ④Monitor the location history of mobile devices, which supports asset and network planning. ⑤Notifies the administrator of events, based on device trap information.

⑥Automatically blocks malware anywhere in the network.



The best use for the Vista Manager Network Appliance / mini

Small to Medium sized businesses

Manage multiple locations with a single VST-APL

Unified Network Management with Integrated LAN/WAN

The Vista Manager network appliance (VST-APL) incorporates Vista Manager EX's enhanced network management, with AMF, AWC, AMF-Sec automation tools in a single integrated platform.

Benefits of VST-APL

- ■Suitable for up to medium-scale LAN/WAN management
- ■Contains all functions required for integrated network management

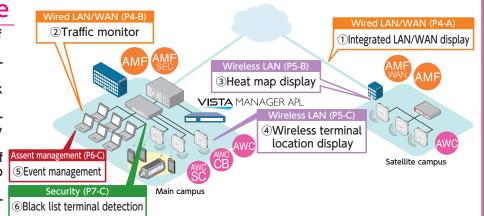




AT-VST-APL-06 AT-VST-APL-10 (coming soon) Check our website for updated information.

Usage Example

- Unified management of headquarters and branches.
- ②Visualize bandwidth utilization and protocol use.
- ③Visualize wireless network coverage and performance.
- Monitor the location of wireless terminals, and easily track assets.
- SNotifies the administrator of events, based on device trap information.
- ⑥Prevents access from unauthorized devices.



Small to Medium sized businesses

Built into switches and routers and suitable for LAN management

Visualizes Small to Medium-Scale Networks through Integrated Management

Intuitive network management focused on the LAN.

Useful for managing switches, routers, and the wired and wireless network. Flexible deployment for small to medium sized businesses.

VISTA MANAGER mini

Benefits of Vista Manager mini

- ■Suitable for LAN management
- ■Built into switches and routers
- ■Simply add more AP licenses as your wireless network expands



*See page 10 for supported models and licenses

Usage Example

- ①Centralized view of the wired network, with status of AT and third-party nodes.
- ②Centralized management and automatic optimization of the wireless network.
- 3 Visualize wireless network coverage and performance.



Comparison Table for Product Features/License Table

STEP 1

Select AT-Vista Manager EX/AT-VST-APL/Vista Manager mini based on required functionality and the number of devices that need to be managed

	Comparison Table for	Product Features	AT-Vista Manager EX	VST-APL Series	Vista Manager mini (Built into compatible switches and routers *1)
Wired	Centralized, simplified, automated network management to reduce operating costs.	WAN map Traffic monitor TracePath VLAN config/viewer Node connection (CLI)	0	0	Not Supported
red .		Node rebooting Topology map Icon editing Background image registration Node status	G	-	○ *2
	Number of managed APs.		Max. 3,000	Max. 500	Max. 305
	Providing an optimal wireless environment by automatically adjusting each AP's channel and transmit power	AWC calculation history TQ auto recovery Display rogue APs Display client connection history		Additional license required Not Supported	Not Supported
Wireless		Autonomous radio management Heat Map Floor Map F/W Update Captive Portal MAC Filter	O Requires additional license. See step 2 below.	O Requires additional license. See step 2 below.	O Requires additional license. See step 2 below.
	AWC Allied Telesis Single Channel Blanket technology enables seamless roaming	Client location estimation/traffic management Channel blanket profiles Displaying the associated client location	O Requires additional license. See step 2 below.	Not Supported O Requires additional license. See step 2 below.	Not Supported O Requires additional license. See step 2 below.
	Allied Telesis Smart Connect technology enables effortless	Expanding the wireless	O Requires additional license. See step 2 below.	O Requires additional license. See step 2 below.	O Requires additional license. See step 2 below.
Asset Management	SNMP	TRAP receive Device search Event settings (E-mail) Event settings (external commands) Periodic device monitoring MIB compiler	O Requires additional license. See step 2 below.	O Not Supported	O Not Supported

^{*1} Vista Manager mini is supported by AT-SBx908 GEN2, x950 series, x930 series, x550 series, and AR routers (AT-AR4050S, AT-AR3050S, AT-AR2050V, and AT-AR2010V).
*2 Vista Manager mini supports wired network management of up to 2 members by default. More devices can be added with additional licenses. Visit our website for more details.

STEP 2 Use this section to find the appropriate licenses.

■AT-Vista Manager EX License Selection Table/System Requirement

AT-Vista Manager EX					
Basic License *Required					
Wired AMF*1		AT-FL-VISTA-BASE-1YR*3			
Additional Feature License*2					
	AWC	AT-FL-VISTA-AWC10-1YR			
Wireless	AWC-CB	AT-FL-VISTA-AWC10-1YR AT-FL-VISTA-CB10-1YR			
	AWC-SC	AT-FL-VISTA-AWC10-1YR AT-FL-VISTA-SC10-1YR			
Asset management	SNMP	AT-FL-VISTA-SNMP-1YR			

AT-Vista Manager EX system requirement (ver. 3.2.0) *4	AMF Devices: 3,000 nodes or less Wireless LAN APs: 600 or less Not using SNMP Manager(Without the use of SNMP Manager)	less Wireless LAN APs: 600 or	AMF Devices: 3,000 nodes or less Wireless LAN APs: 601 to 3,000 Not using SNMP Manager(Without the use of SNMP Manager)	Wireless LAN APs: 601 to 3,000		
CPU	Intel Core i5, 4 core prod	cessor, 2.5 GHz or higher	Intel Xeon Gold, 12 core processor, 2.6 GHz or higher *5			
Memory (RAM) *6	8 GB or larger	16 GB or larger	16 GB or larger	32 GB or larger		
HDD size *6	200 GB or larger	300 GB or larger	600 GB or larger	1.5 TB or larger		

Note: Only 1-year and 5-year licenses are available.

■Vista Manager APL License Selection Table

		AT-VST-APL-06/AT-VST-APL-10 (coming soon)
AMF Cloud	Controller	AT-FL-AMFCLOUD-CTRL-1YR
Aivii Cioud	Master	AT-FL-AMFCLOUD-EX10-1YR AT-FL-AMFCLOUD-EX1-1YR
Wired AMF AT-FL-VISTA-BASE (Non-Expiring License as Basement)		
	AWC	AT-FL-VISTA-AWC10-1YR
Wireless	AWC-CB	AT-FL-VISTA-CB10-1YR
	AWC-SC	AT-FL-VISTA-SC10-1YR
Cyber Security	AMF-Sec	AT-FL-SESC-BASE-1YR

■Vista Manager mini License Selection Table

	<u> </u>							
	Vista Manager mini							
	Product	AT-SBx908 GEN2 (Switch)	x950 series (Switch)	x930 series (Switch)	x550 Series (Switch)	x530 series (Switch)	AT-AR4050S (Router)	
Wired	AMF*1	Supporting wired network management of up to 2 members by default. *Manageable devices can be added with additional licenses. Visit our website for more details.						
	Avl. Manageable Wireless LAN APs	Max.305APs	Max.185APs	Max.125APs	MAX. 45APs	Max.45APs	Max.25APs	
Wireless		AT-FL-GEN2-AWC300-1YR	AT-FL-x950-AWC180-1YR	AT-FL-x930-AWC120-1YR	AT-FL-x550-AWC40-1YR	AT-FL-x530-AWC40-1YR	AT-FL-AR4-AWC20-1YR	
	AVAIC CD*2	AT-FL-GEN2-AWC300-1YR AT-FL-GEN2-CB300-1YR		AT-FL-x930-AWC120-1YR AT-FL-x930-CB120-1YR	AT-FL-x550-AWC40-1YR AT-FL-x550-CB40-1YR		AT-FL-AR4-AWC20-1YR AT-FL-AR4-CB5-1YR	
		AT-FL-GEN2-AWC300-1YR AT-FL-GEN2-SC300-1YR		AT-FL-x930-AWC120-1YR AT-FL-x930-SC120-1YR	AT-FL-x550-AWC40-1YR AT-FL-x550-SC40-1YR		AT-FL-AR4-AWC20-1YR AT-FL-AR4-SC5-1YR	
Asset management	SNMP	Receives TRAPs from SNMP nodes by default						

^{*1} Separate AMF controller/master licenses are required. *2 Use of licenses for additional features only is not allowed. Basic license is still required, if only the features of wireless and asset management needs to be used. *3 Up to 10 APs can be managed per license. *4 Visit our website for updates. *5 Set the Wireless Client Update Interval for the AWC plug-in to 10 minutes. *6 The figure is calculated without using the wireless LAN controller's history management feature.



How to use the tables on p.10

Which license is appropriate in this situation?

(Example) I'd like to build and manage an easy wireless LAN environment that is able to use IP phones and tablets without roaming issues.

Check the comparison tables for product features

Check the required feature and number of wireless LAN APs

Select AT-Vista Manager EX, AT-VST-APL, or Vista Manager mini.

(Example) I want to use AWC-CB to remove issues with roaming. ⇒You can select AT-Vista Manager EX, AT-VST-APL, or Vista Manager mini.

(Example) If there are more than 500 managed access points, select AT-Vista Manager EX. If there are 305 to 500, select AT-Vista Manager EX or AT-VST-APL. If there are fewer, you can select any one of the three.





Check the License Table STEP 2

APs to manage: up to 3,000

APs to manage: up to 500

APs to manage: up to 305

Select AT-Vista Manager EX

Check the License Table for **AT-Vista Manager EX**

Select AT-VST-APL

Check the AT-VST-APL series License Selection Table.

Select Vista Manager mini

Check the Vista Manager mini License Table, then select the product(s) to use. based on the number of APs.

Purchase both the basic license and the license listed in the row for AWC-CB.

Purchase the license listed in the row for AWC-CB according to the number of APs.

Purchase the basic license listed in the row for AWC-CB with the corresponding product, and additional licenses according to the number of APs.

CASE 1

Required to manage more than 1000 APs in large scale wireless network.

Use of AWC(Large-Scale) → Select AT-Vista Manager EX

AT-FL-VISTA-BASE-1YRx1 •AT-FL-VISTA-AWC10-1YR (10 APs)x100

*Only 1-year and 5-year licenses are available.

CASE 2

Required to manage 500 APs, with 300 APs in the Channel Blanket

Use AWC, AWC-CB(medium scale) →Select AT-VST-APL

- AT-VST-APL series
- •AT-VST-WL-1Y(10 AP)x50
- •AT-VST-CB-1Y(10 AP)x30

*1-year and 5-year licenses are available.

CASE 3

Using an x530 series switch and managing 40 APs in a Channel Blanket

Use of AWC and AWC-CB(Small-Scale) →Select Vista Manager mini

- •x530 series switch*1
- •AT-FL-x530-AWC40-1YR-2
- •AT-FL-x530-CB40-1YR*2
- *1 If you have already purchased the switch, you only need to purchase the licenses.
 *2 Only 1-year and 5-year licenses are available.

Vista Manager Series Implementation Example



Kumamoto Southern Regional Hospital

Located in Kumamoto, Japan. Recognized as a regional key hospital for over 50 years, the hospital built a centralized network at the core of their medical service.



Toyohashi University of Technology

Located in Toyohashi, Japan. Known for over 40 years as leaders in technology education, they built a campus network to support education and research.



AGC Inc. Sagami Plant

Located in Chiyoda City, Tokyo. The world's largest glass company created integrated factory control networks in its Sagami Plant.



Thai Mitsuwa Public Co. Ltd.

Located in Pathumthai, Thailand. A cutting-edge wireless network upgrade brought seamless roaming and total Wi-Fi coverage to the factories of one of the world's largest manufacturing companies.



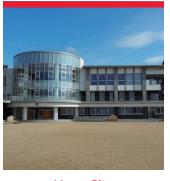
Maspro Denko Corporation

Located in Nisshin, Japan. An electronics manufacturing company with over 50 years of history built a wireless LAN system with unified management for conference rooms and distributed warehouses.



Nayoro City General Hospital

Located in Nayoro, Hokkaido, Japan. At the hospital recognized as the city's most essential for more than 70 years, a seamless wireless LAN environment improved service.



Uozu City Board of Education

Located in Uozu, Japan. A network for elementary and middle schools promoted the board's key goal of digitizing education.



Public Central Hospital of Matto Ishikawa

Located in Hakusan, Japan. The core crucial-care hospital in Hakusan built a network to manage digital medical record systems, which connects with 5 associated hospitals.

Visit here for more information. >>> https://www.alliedtelesis.com/success-stories





● CentreCOM, SwitchBlade, Secure EnterpriseSDN, AMFramework, AMFPlus, VCStack, EPSRing, LoopGuard, AlliedView, AT-Vista Manager, AT-VA,AT-AWC, AT-UWC, Allied Telesis Unified Wireless Controller, EtherGRID, Envigilant, Net.Service, Net.Cover, Net.Monitor,Net.Assist, Allied Hikari, Net.CyberSecurity, and Net.Campus are registered trademarks of Allied Telesis Holdings K.K.● Other company names and product names are either trademarks or registered trademarks of each company. ● Product specifications, appearances, standard prices, and other information listed are subject to change without notice. ● If Allied Telesis products are taken outside of Japan or provided to a non-resident, as described in the Foreign Exchange and Foreign Trade Act, it is summed that the customer agrees to comply fully with the export-related legislation of the government of Japan, including the Foreign Exchange and Foreign Trade Act, as well as that of Teng governments, and that all necessary procedures will be carried out at the responsibility and and cost burden of the customer. ● These products are intended for use in Japan and, if taken outside of Japan, will not be covered by any product warranty or quality assurance guarantee, nor any kind of support or repair services. ● Photograms will differ from actual product colors due to printing. ● Listed details are as of September 2020. ● Unauthorized use, duplication, copying, modification, processing, reprinting, etc., of the materials herein is prohibited.



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