











Vertiv™ Avocent® Management Appliance Comparison



	Vertiv™ Avocent® AutoView™	Vertiv™ Avocent® MergePoint Unity™	Vertiv™ Avocent® ADX	Vertiv™ Avocent® ADX	Vertiv™ Avocent® Universal Management Gateway (EOL)
	AV3108, AV3216	MPU108E, MPU2016, MPU2032, MPU4032, MPU8032	RM1048P	IPUHD	UMG4000
Appliance Feature:					
Application	SMB	Enterprise	From Edge to SMB to Enterprise	From Edge to SMB to Enterprise	Enterprise
KVM over IP	Yes	Yes	Yes	Yes	Yes
KVM Target Ports	8 / 16	8 / 16 / 32	48	1	40
Remote KVM Users	1	1 / 2 / 4 / 8	100+	up to 8	40
BIOS-level Target Access	Yes	Yes	Yes	Yes	Yes
Blade Support	Yes	Yes	Yes	No	Yes
Cascade Support (Daisy-chain)	Yes	Yes	No	No	No
Web Interface	Yes	Yes	Yes	Yes	Yes
HTML5 KVM Viewer	Yes	Yes	Yes	Yes	Yes
Java / ActiveX Viewer	Yes	Yes	No	No	Yes
Virtual Media	Yes	Yes	Yes	Yes	Yes
Smart Card Support (CAC)	Yes	Yes	Roadmap - Future Development	Roadmap - Future Development	Yes
Mouse Synchronization	Yes	Yes	Yes	Yes	Yes
Keyboard Passthrough	Yes	Yes	Roadmap - Future Development	Roadmap - Future Development	Yes
Local Port User Interface	Yes	Yes	Roadmap - Future Development	No	Yes
Max. Local KVM Resolution	1920x1080 ^(D)	1920x1080	N.A.	N.A.	1920x1080
Max. Remote KVM Resolution	1600x1200	1600x1200	3840 x 2160 @ 30 FPS with IPUHD 1920 x 1080 @ 30 FPS with IPIQ	3840 x 2160 @ 30 FPS	1920x1080
Target Video Connections	VGA, DisplayPort, DVI, HDMI	VGA, DisplayPort, DVI, HDMI	IPIQ: VGA IPUHD: USB-C, DisplayPort, Mini DisplayPort, HDMI	USB-C, DisplayPort, Mini DisplayPort, HDMI	VGA
Audio	No	No	Yes with IPUHD through USB-C, DisplayPort, Mini DisplayPort, HDMI	Yes through USB-C, DisplayPort, Mini DisplayPort, HDMI	No
Upstream Bandwidth	Up to 100 Mb	Up to 1 Gb	Up to 20 Gb	Up to 1 Gb	Up to 2 Gb
KVM Session Sharing	Yes	Yes	Yes	Yes	Yes
Maximum Concurrent Users	12 per KVM appliance	12 per KVM appliance	8 per target port	8 per target port	8 per target port
Record KVM Sessions	Yes	Yes	Yes	Yes	Yes
Record KVM Sessions with Audio	No	No	Yes	Yes	No
Macros	Yes	Yes	Yes	Yes	Yes
Custom Session Macros	Yes	Yes	Yes	Yes	Yes
Audit Events Log	No	No	Yes	Yes	Yes
Event Notification	SNMP	SNMP, Syslog	Roadmap - Future Development	Roadmap - Future Development	SNMP, Syslog
Remote Authentication	LDAP	LDAP	LDAP/AD	LDAP/AD	LDAP
Maximum User Accounts	64	64	100+	16	64
Authorization	Target access	Target access	Target access, role-based access, user definable roles	Target access, role-based access	Target access
3rd Party Certificates	Yes	Yes	Roadmap - Future Development	Yes	Yes
Serial Target Support	Yes (VT100)	Yes (True Serial)	Serial over IP ⁽²⁾	Yes (True Serial through micro USB port)	Yes (True Serial)
Rack PDU Support	No	Yes (Serial)	Coming Soon	Roadmap - Future Development	Yes (Serial and IP)
Remote Modem Support	No	Yes	No	No	No

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Appliance Feature:					
Service Processor	No	No	Yes	Roadmap - Future Development	Yes
Service Processor Connection Support	No	No	Direct connection to the appliance	Roadmap - Future Development	Direct connection to the appliance and over the network
Service Processor Protocols	No	No	Redfish	Roadmap - Future Development	IPMI 2.0 and Redfish
Service Processor Models	No	No	iDRAC9, iDRAC8, iDRAC7 iLO5	Roadmap - Future Development	iDRAC9, iDRAC8, iDRAC7 iLO5, iLO4, iLO3, XCC
Service Processor vKVM / virtual console	No	No	Coming Soon	Roadmap - Future Development	Yes
API	No	No	Yes (RESTful APIs)	Yes (RESTful APIs - Redfish)	No
Encryption	AES 128 bits	AES 128 bits	AES 256 bits	AES 256 bits	AES 128 bits
Secure Boot	No	No	Yes	Yes	No
TLS	1.2	1.2	1.2/1.3	1.2/1.3	1.1
FIPS 140-2 Compliant	No	Yes	Coming Soon	Yes	Yes
TAA Compliant	Yes (-400 skus)	Yes (-400 skus)	Yes (-400 skus)	Yes (-400 skus)	Yes (-400 skus)
NICs	1	2 (1 MAC address; designed for failover)	4 x SFP+ uplinks (failover and bonding options are available)	2	2 (2 MAC addresses; designed for accessing different networks)
Management Ports	1 (Serial Console)	1 (Serial Console)	1 (Serial Console) 1 (IP Management Port)	1 (Micro USB Port)	1 (Serial Console)
Power Options	Single AC	Dual AC	2 x AC Power supplies, Redundant	PoE or 5V power adapter (ADX-IPPS)	2 x AC Power supplies, Redundant
Hot-swappable Power Modules	No	No	Yes	No	No
Fan Options	Built-in	Built-in	2N+1 Fan modules, Redundant	Built-in	Built-in
Hot-swappable Fan Modules	No	No	Yes (2N + 1)	No	No
Standard PoE	No	No	Yes (standard 802.3 at)	Yes (standard 802.3 at)	Yes (non-standard PoE)
Rack Footprint	1U	1U	1U	Rack mountable via ADX-RMK-106: 1U tray ADX-RMK-107: 0U swing	1U
AC Input Range	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	DC input or PoE	100 - 240 VAC
Operating Temperature	0 to 50°C	0 to 50°C	0 to 45°C	0 to 50°C	0 to 50°C
Approved Agencies	UL, FCC Part 15, cUL, ICES-003, CE, RoHS, REACH, EAC, VCCI, KCC, RCM, BSMI	UL, FCC Part 15, cUL, ICES-003, CE, RoHS, REACH, EAC, VCCI, KCC, RCM, BSMI	UL, FCC Part 15, cUL, ICES-003, CE, RoHS, REACH, EAC, VCCI, KCC, RCM, BSMI, CCC, NOM, TISI	UL, FCC Part 15, cUL, ICES-003, CE, RoHS, REACH, EAC, VCCI, KCC, RCM, BSMI, NOM	UL, FCC Part 15, cUL, ICES-003, CE, RoHS, REACH, EAC, VCCI, KCC, RCM, BSMI
Standard Limited Warranty	2 Years	2 Years	2 Years	2 Years	2 Years
Maintenance Program (Uplift Support and Extended Warranty)	Silver and Gold (1, 2, or 4 Years)	Silver and Gold (1, 2, or 4 Years)	Silver and Gold (1, 2, or 4 Years)	Silver and Gold (1, 2, or 4 Years)	EOL

Notes:
 (1) Support with firmware version V2.6 (August, 2021) or higher
 (2) Coming soon

Resources:
[Avocent® ADX ecosystem website](#)
[Avocent® ADX RM1048P datasheet](#)
[MergePoint Unity KVM™ switch datasheet](#)
[AutoView™ 3000 series KVM switch datasheet](#)
[KVM modules compatibility matrix](#)
[KVM cables and server interface modules](#)
[Maintenance Program \(Uplift support and extended warranty\)](#)