

# HPE AF651A

## Datasheet

## Product Overview

- The HPE AF651A belongs to HPE's trusted KVM Analog Console Switch series, built for efficient server administration in modern data centers.
- It is designed for IT managers, system integrators, and enterprise users needing centralized rack server management across large or distributed environments.
- Key highlights include support for 8 KVM ports, local On-Screen Display (OSD) for direct access, and scalable architecture managing up to 256 devices via cascading.
- Advanced functions like KVM-over-IP upgrade with optional USB Remote Access Key, plus built-in support for HPE Power and Location Discovery Services, ensure unique flexibility.
- Space-saving deployment is available, with standard 1U rack mount or side-rail "zero U" installation, reducing footprint and improving accessibility for dense IT stacks.
- Whether for enterprise server rooms, branch offices, or service provider racks, the AF651A delivers secure, simple, and highly scalable KVM management, streamlining operations and minimizing downtime.

## Product Highlights

- **Centralized Server Management:** Control up to 256 rackmount servers from a single admin point, streamlining workflows in dense IT setups.
- **Intuitive Local Interface:** Access connected devices quickly using the On-Screen Display via an HPE rack console like the LCD8500.
- **KVM-over-IP Upgrade Option:** Add a USB Remote Access Key to enable secure remote management with the On-Board Web Interface.
- **Flexible Rack Deployment:** Choose standard 1U front rack mount or side-rail "zero U" installation to optimize valuable rack space.

## Detailed Features



AF651A

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Component	Specification
Device Type	KVM switch - 8 ports
Ports	8 x KVM port(s)
KVM Users Supported	1 local user
Display Interface	On-Screen Display
Mounting Options	Standard 1U or side-rail zero U



## Efficient Multi-Server Management

HPE AF651A enables unified management for up to 256 servers by cascading multiple switches, maximizing control while minimizing hardware sprawl and cable clutter. This suits large data centers, branch server rooms, or scalable enterprise deployments that demand centralized oversight and efficiency.

## High-Performance Console Switching

The hardware features 8 dedicated KVM ports, allowing direct, rapid access to each server in a rack. With a robust CAT5 interface, operators experience quick signal switching and low latency without risk of bandwidth congestion commonly found in legacy shared solutions.

## Intuitive On-Screen Navigation

A local On-Screen Display (OSD) menu presents connected devices for selection via keyboard or console, significantly reducing error potential and administrative effort in high-density server environments. The visual interface enhances productivity, even in fast-paced troubleshooting scenarios.

## Optional Remote Access Integration

The AF651A's readiness for the USB Remote Access Key allows seamless KVM-over-IP upgrades. This brings secure, full-featured remote management via the On-Board Web Interface (OBWI), helping IT teams scale operations or resolve incidents off-site with confidence and compliance.

## Rack-Saving Design Flexibility

The switch supports both standard 1U and side-rail zero U mounting, giving integrators and facility managers the flexibility to maximize rack space and maintain clear access in crowded server environments. This advantage directly translates to greater scalability and cost efficiency.

## Power and Location Awareness

Native support for HPE Power Discovery Services and Location Discovery Services when connected to appropriate rack consoles and PDUs enables automated asset tracking, energy management, and rapid identification. This capability is key for energy-conscious and security-regulated operations.

## Single-User Precision Security

Optimized for one local user, AF651A restricts simultaneous access, minimizing attack surfaces in secure environments and ensuring consistent control over connected assets. This is ideal for roles requiring singular, accountable access to mission-critical hardware.

## Broad Compatibility and Ease of Integration

Designed for HPE ProLiant Gen8/Gen9 servers and MicroServer models, AF651A fits seamlessly into established HPE ecosystems and can be deployed by SMBs or global enterprises with minimal configuration, reducing downtime and learning curves.

# Technical Specifications

## Product Specifications

Feature	Value
Product Description	HPE KVM Console G3 Switch 0x1x8 - KVM switch - 8 ports - rack-mountable
Device Type	KVM switch - 8 ports - CAT5 - cascadable
Enclosure Type	Rack-mountable
Subtype	KVM
Ports	8 x KVM port(s)
KVM Users Qty	1 local user
Features	On-Screen Display
Power	AC 120/230 V (50/60 Hz)
Dimensions Width	17.2 in
Dimensions Depth	6.5 in
Dimensions Height	1.7 in



Feature	Value
Weight	4.5 lbs
Designed For 1	ProLiant DL120 Gen9
Designed For 2	DL160 Gen8, DL160 Gen9, DL180 Gen9
Designed For 3	DL20 Gen9, DL320e Gen8, DL360e Gen8
Designed For 4	DL360p Gen8, DL380 Gen9, DL380e Gen8
Designed For 5	DL380p Gen8, DL385p Gen8, DL580 Gen9
Designed For 6	DL60 Gen9, DL80 Gen9, MicroServer Gen8
Designed For 7	ML110 Gen9, ML150 Gen9, ML310e Gen8
Designed For 8	ML350e Gen8, ML350p Gen8

## Product Comparison

Feature	AF651A	JL700A	AW575B
Device Type	KVM switch - 8 ports - CAT5	Switch - 48 ports - 10/100/1000Base-T	Switch - 24 ports - 10/100/1000Base-T
Ports	8 x KVM port(s)	48 x 1G RJ45, 4 x 1G SFP	24 x 1G RJ45, 2 x 10G SFP+
KVM Users Supported	1 local user	N/A	N/A
Mounting Options	Rack-mountable or side-rail zero U	Rack-mountable	Rack-mountable
Remote Management	Optional KVM-over-IP (with USB key)	Web, SNMP, CLI	Web, SNMP, CLI
Power	AC 120/230 V (50/60 Hz)	Internal Power, 100-240V	Internal Power, 100-240V
Special Features	On-Screen Display, Power/ Location Services	Layer 2/3 Lite, Stacking	Layer 2+, Stacking, PoE
Target Application	Server management, KVM cascading	Access/Aggregation Layer	Access Layer with enhanced performance
Dimensions (WxDxH)	17.2 x 6.5 x 1.7 in	17.32 x 13.18 x 1.73 in	17.3 x 8.1 x 1.7 in
Weight	4.5 lbs	Approx. 10 lbs	Approx. 5.1 lbs



## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"><li>- Power Adapter</li><li>- Rack Mounting Kit</li><li>- Quick Installation Guide</li></ul>
Optional Accessories	<ul style="list-style-type: none"><li>- USB Remote Access Key</li><li>- HPE LCD8500 Console</li><li>- CAT5 KVM Cable Kit</li></ul>



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## References

[1] Hewlett Packard Enterprise. (2023). HPE KVM Console G3 Switch 0x1x8 - KVM switch - 8 ports - rack-mountable Datasheet. Retrieved from <https://www.hpe.com/psnow/doc/c04123433>