

# HPE AM866C

## Datasheet



## Product Overview

- HPE's AM866C belongs to the SAN Switch family, offering reliable data center connectivity for scalable storage networks.
- The AM866C is designed for SMEs, entry-level SAN deployments, or as an edge switch in core-to-edge SAN environments.
- Key hardware includes 8 Fibre Channel ports, support for up to 8 Gbps data rates, and a switching capacity of 384 Gbps.
- Feature highlights include Ports On Demand for flexible upgrades, auto-sensing for seamless interoperability, and energy-efficient operation.
- With options like the Power Pack+ software, deployment and management become straightforward, thanks to single-pane-of-glass administration.
- The AM866C empowers organizations to start small, expand non-disruptively, and lower storage infrastructure costs for growing business-critical environments.

## Product Highlights

- **Flexible Growth Options:** Ports On Demand allow you to activate additional ports in increments, scaling up to 24 ports without disruption.
- **Energy-Efficient Performance:** Each port consumes less than 2.5 watts, improving overall power use and lowering operational costs.
- **Comprehensive Software Features:** Optional Power Pack+ bundle enables advanced monitoring, Fabric Vision, ISL Trunking, and performance optimization.
- **Seamless Integration:** Auto-sensing 1/2/4/8 Gbps support ensures compatibility with legacy and future Fibre Channel devices.

## Detailed Features



### AM866C

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Component	Specification
Fiber Ports	8
SFP Modules	8
Switching Capacity	384 Gbps
Form Factor	1U
Power Consumption	57 W (max)



## Entry-Level SAN Optimization

The AM866C is tailored for small and mid-sized enterprises and new SAN installations. It provides essential storage connectivity, delivering simplicity and scalability at a competitive entry pricemaking it ideal for growing businesses with evolving data needs.

## High-Speed Fibre Channel Performance

Equipped with 8× SFP Fibre Channel ports, the switch supports speeds of 1, 2, 4, and 8 Gbps per port, offering up to 128 Gbps total throughput. Its high switching capacity ensures smooth, uncongested data flow for business-critical applications.

## Non-Disruptive Scalability

Ports On Demand enable flexible expansion. Additional ports can be licensed and activated as requirements grow, up to a total of 24 ports, guaranteeing investment protection and seamless network scaling without downtime.

## Advanced Interoperability

Auto-sensing and speed-matching features allow the switch to adapt to existing SAN assets running at 1, 2, or 4 Gbps. This backward compatibility ensures easy integration into various storage architectures and legacy environments.

## Efficient ISL Trunking

Enhanced Inter-Switch Link (ISL) Trunking aggregates up to eight links into a single high-speed trunk. This boosts core throughput up to 64 Gbps between switches, catering to bandwidth-intensive operations and minimizing bottlenecks.

## Energy-saving Design

The AM866C's next-generation hardware requires less than 2.5 watts per port, optimizing cooling and power consumption. It delivers enterprise-class reliability with minimal impact on data center resources and sustainability goals.

## Comprehensive Fabric Management

With the optional Power Pack+ software bundle, users gain tools like Fabric Vision, ISL Trunking, Fabric Watch, and Advanced Performance Monitor. Administrators benefit from proactive health monitoring and advanced diagnostics for better control.

## Centralized Web-based Administration

The intuitive web-based interface and managed switch feature streamline deployment, configuration, and ongoing management. Integration with standard management platforms simplifies IT operations for both new and experienced administrators.

# Technical Specifications

## Product Specifications

Feature	Value
MAC Address Table	0 entries
Maximum Data Transfer Rate	8 Gbps
Switching Capacity	384 Gbps
Form Factor	1U
Product Colour	Grey
Rack Mounting	Yes
Stackable	Yes
Quality of Service (QoS) Support	Yes
Switch Type	Managed
Web-Based Management	Yes
10G Support	No
Full Duplex	Yes
Rate Limiting	Yes



Feature	Value
Operating Relative Humidity (H-H)	10 – 85%
Operating Temperature (T-T)	0 – 40 °C
Storage Relative Humidity (H-H)	10 – 90%
Storage Temperature (T-T)	-25 – 70 °C
Basic Switching RJ-45 Ethernet Ports Type	No
Fiber Ports Quantity	8
Installed SFP Modules Quantity	8
AC Input Frequency	47/63 Hz
AC Input Voltage	100 – 240 V
Power Consumption (Max)	57 W
Power Consumption (Typical)	48 W
Power over Ethernet (PoE)	No
Supported Network Protocols	Fibre Channel
Depth	306.6 mm
Height	42.9 mm
Width	428.8 mm

## Product Comparison

Feature	AM866C	C1000-48T-4X-L	BR-G720-56-64G-R
Port Type	8 × Fibre Channel SFP	48 × 1G RJ45, 4 × 10G SFP+	48 × 10G SFP+, 8 × 100G QSFP28
Switching Capacity	384 Gbps	176 Gbps	4 Tbps
Max Data Rate	8 Gbps per port	10 Gbps per port	100 Gbps per port
Stackable	Yes	Yes	Yes
PoE Support	No	No	No
Management	Web-based, CLI	Web GUI, CLI, SNMP	Web, CLI, SNMP
Form Factor	1U	1U	1U
Power Consumption	57 W (max)	60 W (max)	350 W (max)



Feature	AM866C	C1000-48T-4X-L	BR-G720-56-64G-R
Application Scenario	SAN, Storage, Virtualization	Enterprise Access, Aggregation	Large Data Center, Cloud Core

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"><li>- Power supply unit</li><li>- Rack mounting kit</li><li>- Quick Start Guide</li></ul>
Optional Accessories	<ul style="list-style-type: none"><li>- Additional SFP Transceivers</li><li>- Fabric scaling licenses</li><li>- Enhanced Power Pack+ software</li></ul>



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**High Connectivity:** [sales@router-switch.com](mailto:sales@router-switch.com)

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**Cooperative Partnerships:** [ccie-support@router-switch.com](mailto:ccie-support@router-switch.com)

### Phone

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**Hong Kong:** +852-25925389 / +852-25925411

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Rm 605, 6/F, Fa Yuen Comm Bldg, 75-77 Fa Yuen St, Mongkok, Kowloon, Hong Kong, China

### USA Branch

35 E Horizon Ridge Pkwy, Ste 110 #30131, Henderson, NV 89002, USA

### Shenzhen Branch

Jingfeng Building, 1001 Shangbu South Road, Futian District, Shenzhen, China

### UK Branch

Third Floor, 207 Regent Street, London W1B 3HH, UK



## References

[1] HPE. (2024). HPE 8/8 Base SAN Switch (AM866C) Datasheet. Retrieved from <https://www.hpe.com/psnow/doc/c04123371.pdf>