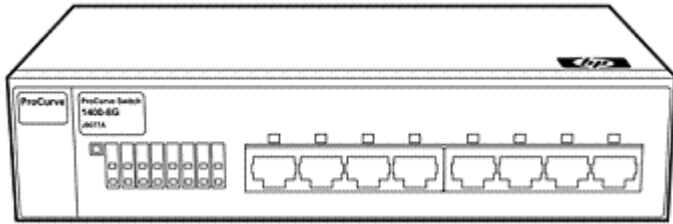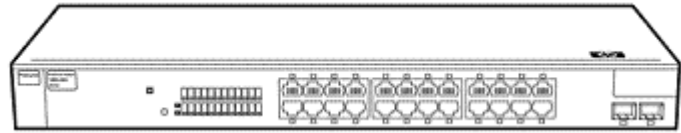*Overview*

HP V1400-8G Switch   **HP V1400-24G Switch**

Models

HP V1400-24G Switch   J9078A
HP V1400-8G Switch   J9077A

Key features

- Unmanaged Layer 2 Gigabit switch
- 8- and 24-port models
- Fanless switch for silent operation
- Two dual-personality mini-GBIC slots (J9078A)
- Industry-leading warranty

Introduction

The HP V1400 Switch Series provides plug-and-play simplicity for high-bandwidth connectivity. The HP V1400 Switch Series consists of two unmanaged switches. The HP V1400-24G Switch is a 24-port 10/100/1000 switch with 22 10/100/1000 ports and 2 dual-personality ports. The HP V1400-8G Switch is a small-form-factor switch with 8 10/100/1000 ports. Ideal for deployment in open spaces, both switches feature silent operation via a fanless design.

Features and benefits

Quality of Service (QoS)

- **IEEE 802.1p prioritization**: delivers data to devices by honoring the priority and type of traffic

Connectivity

- **Auto-MDIX**: automatically adjusts for straight-through or crossover cables on all 10/100 and 10/100/1000 ports
- **Jumbo packet support**: improves the performance of large data transfers

Performance

- **High performance**: wire-speed performance provides outstanding throughput for all PCs and servers
- **Half-/Full-duplex autonegotiating capability on every port**: doubles the throughput of every port

Ease of use

- **Unmanaged**: provides plug-and-play simplicity
- **10/100/1000 auto-sensing per port**: automatically detects and sets the speed for any 10Base-T, 100Base-TX, or 1000Base-T device
- **Comprehensive LED display with per-port indicators**: provides an at-a-glance view of status, activity, speed, and

Overview

full-duplex operation

Flexibility

- **Small form factor**: ideal for desktop use; space efficient for deployment flexibility (V1400-8G Switch)
- **Designed with no fan**: enables quiet operation for deployment in open spaces

Warranty and support

- **Lifetime warranty**: for as long as you own the product with advance replacement and next-business-day delivery (available in most countries)*
- **Electronic and telephone support**: limited electronic and telephone support is available from HP; refer to: www.hp.com/networking/warranty for details on the support provided and the period during which support is available

* Hardware warranty replacement for as long as you own the product, with next business day advance replacement (available in most countries) with a five-year hardware warranty replacement for the disk drive included with HP AllianceONE Services zl Module, HP Threat Management Services zl Module, HP PCM+ Agent with AllianceONE Services zl Module, and HP E-MSM765 zl Mobility Controller. For details, refer to the HP Software License, Warranty, and Support booklet at: www.hp.com/networking/warranty.

Technical Specifications

HP V1400-24G Switch (J9078A)	Ports	22 auto-sensing 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Media Type: Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only
		2 dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port (IEEE 802.3 Type 10Base-T; IEEE 802.3u Type 100Base-TX; IEEE 802.3ab 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers)
	Physical Characteristics	**Dimensions**
		6.74(d) x 17.42(w) x 1.73(h) in. (17.12 x 44.25 x 4.39 cm) (1U height)
		Weight 4.38 lb. (1.99 kg)
	Memory and Processor	128 KB RAM/ROM capacity; packet buffer size: 500 KB
	Mounting	Mounts in an EIA-standard 19 in. telco racks (hardware included)
	Performance	**100 Mb** < 4.7 µs (64-byte packets)
		1000 Mb < 3.0 µs (64-byte packets)
		Throughput up to 35.7 million pps
		Switching capacity 48 Gbps
		MAC address table size 8,000 entries
	Environment	**Operating temperature** 32°F to 104°F (0°C to 40°C)
		Operating relative humidity 15% to 95% @ 104°F (40°C), non-condensing
		Non-operating/storage temperature -40°F to 158°F (-40°C to 70°C)
		Non-operating/storage relative humidity 10% to 90% @ 149°F (65°C), non-condensing
		Altitude up to 10,000 ft. (3 km)
		Acoustic Power: 0 dB No Fan
	Electrical Characteristics	**Maximum heat dissipation** 81 BTU/hr (85 kJ/hr)
		Voltage 100-240 VAC
		Current 0.7 / 0.4 A
		Maximum power rating 24 W
		Frequency 50 / 60 Hz
		Notes Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.
	Safety	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950
	Emissions	FCC Rules Part 15, Subpart B Class A; EN 55022; VCCI; ICES-003 (Canada)
	Immunity	**EN** EN 55024, CISPR 24
		ESD IEC 61000-4-2
		Radiated IEC 61000-4-3
		EFT/Burst IEC 61000-4-4

Technical Specifications

	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2
	Flicker	IEC 61000-3-3
Notes	Use only supported genuine HP mini-GBICs with your switch.	
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UF797E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UF798E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UR820E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UR821E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UR822E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UR823E) 3 Yr 6 hr Call-to-Repair Onsite (UW389E) 4 Yr 6 hr Call-to-Repair Onsite (UW390E) 5 Yr 6 hr Call-to-Repair Onsite (UW391E)	
	Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.	
Standards and protocols (applies to all products in series)	**General protocols** IEEE 802.1p Priority IEEE 802.3x Flow Control	

HP V1400-8G Switch (J9077A)	**Ports**	8 auto-sensing 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Media Type: Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only	
	Physical Characteristics	**Dimensions**	4.58(d) x 7.73(w) x 1.73(h) in. (11.63 x 19.63 x 4.39 cm) (1U height)
		Weight	1.19 lb. (0.54 kg)
	Memory and Processor	128 KB RAM/ROM capacity; packet buffer size: 144 KB	
	Mounting	Horizontal surface mounting only	
	Performance	**100 Mb**	< 3.9 µs (64-byte packets)
		1000 Mb	< 2.1 µs (64-byte packets)
		Throughput	up to 11.9 million pps
		Switching capacity	16 Gbps
		MAC address table size	8,000 entries
	Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
		Operating relative humidity	15% to 95% @ 104°F (40°C), non-condensing

Technical Specifications

	Non-operating/ storage temperature	-40°F to 158°F (-40°C to 70°C)
	Non-operating/ storage relative humidity	10% to 90% @ 149°F (65°C), non-condensing
	Altitude	up to 10,000 ft. (3 km)
	Acoustic	Power: 0 dB No Fan
Electrical Characteristics	**Maximum heat dissipation**	61 BTU/hr (64 kJ/hr)
	Voltage	100-127 / 200-240 VAC
	Current	1.0 / 0.8 A
	Maximum power rating	18 W
	Frequency	50 / 60 Hz
	Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. The exact input voltage and frequency rating are determined by the specific power adapter part number ordered. Please select the correct power adapter country option.
Safety	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950	
Emissions	FCC Rules Part 15, Subpart B Class A; EN 55022; VCCI; ICES-003 (Canada)	
Immunity	**EN**	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2
	Flicker	IEC 61000-3-3
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UF795E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UF796E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UR816E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UR817E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UR818E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UR819E) 3 Yr 6 hr Call-to-Repair Onsite (UW386E)	

Technical Specifications

4 Yr 6 hr Call-to-Repair Onsite (UW387E)
5 Yr 6 hr Call-to-Repair Onsite (UW388E)

Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

Standards and protocols (applies to all products in series)	**General protocols** IEEE 802.1p Priority IEEE 802.3x Flow Control

Accessories

HP V1400 Switch SeriesCables accessories

NEW HP 0.5 m Multimode OM3 LC/LC Optical Cable	AJ833A
NEW HP 1 m Multimode OM3 LC/LC Optical Cable	AJ834A
NEW HP 2 m Multimode OM3 LC/LC Optical Cable	AJ835A
NEW HP 5 m Multimode OM3 LC/LC Optical Cable	AJ836A
NEW HP 15 m Multimode OM3 LC/LC Optical Cable	AJ837A
NEW HP 30 m Multimode OM3 LC/LC Optical Cable	AJ838A
NEW HP 50 m Multimode OM3 LC/LC Optical Cable	AJ839A
NEW HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable	BK837A
HP V1400-24G Switch (J9078A)	
HP X121 1G SFP LC LH Transceiver	J4860C
HP X121 1G SFP LC SX Transceiver	J4858C
HP X121 1G SFP LC LX Transceiver	J4859C
HP X122 1G SFP LC BX-D Transceiver	J9142B
HP X122 1G SFP LC BX-U Transceiver	J9143B

To learn more, visit: www.hp.com/networking