

Overview

Models

HP NJ2000G IntelliJack

JD057A

Key features

- Innovative switch with in-the-wall installation
 - Easy, secure port expansion without new cabling
 - PoE powered with PoE forwarding
 - Available Web-managed and unmanaged models
 - 3-year warranty
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Product overview

HP IntelliJack Gigabit switches are compact 10/100/1000 switches that can be installed in a standard wall outlet box, quickly converting an existing single-port LAN wall outlet into four switched Gigabit Ethernet ports. These "network jacks" provide a simple solution for adding network ports without running more cabling. Unlike conventional desktop switches, HP IntelliJack devices reside out of the way—literally in-the-wall—and so are more secure from theft and difficult to accidentally disconnect or damage. The innovative HP IntelliJack switches provide four Ethernet ports for local connectivity plus one uplink port. Two additional RJ-45 "pass-through ports" flexibly support a range of additional service and user connectivity options. It can be powered locally or via Power over Ethernet (PoE); certain configurations support output of standard PoE on up to two ports to directly power attached devices such as IP phones or wireless access points.

Features and benefits

Quality of Service (QoS)

- **IEEE 802.1p prioritization:** delivers data to devices based on 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:** supports up to 9216-byte frame size to improve performance of large data transfers

Performance

- **Half-/Full-duplex auto-negotiating capability on every port:** doubles the throughput of every port

Resiliency and high availability

- **IEEE 802.3ad Link Aggregation Control Protocol (LACP):** aggregate connections for greater overall throughput (managed IntelliJack NJ2000G only)

Manageability

- **Choice of smart managed and unmanaged models:** HP IntelliJack NJ2000G model has an intuitive Web interface for setup of features such as virtual LANs, link aggregation, and 802.1X Network Login

Layer 2 switching



Overview

- **VLAN support and tagging:** support up to 64 port-based VLANs and dynamic configuration of IEEE 802.1Q VLAN tagging, providing security between workgroups (managed IntelliJack NJ2000G only)

Security

- **IEEE 802.1X Network Login:** control port-based access for authentication and accountability (managed IntelliJack NJ2000G only)

Ease of use

- **Flow control:** helps ensure reliable communications during full-duplex operation
- **Comprehensive LED display with per-port indicators:** provides an at-a-glance view of status, activity, speed, and full-duplex operation

Flexibility

- **Designed with no fan:** enables quiet operation for deployment in open spaces

Warranty and support

- **3-year warranty:** with advance replacement and next-business-day delivery (available in most countries)

Technical Specifications

HP NJ2000G IntelliJack (JD057A)

Ports	4 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 RJ-45 pass through ports 1 RJ-45 autosensing 10/100/1000 port (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
Physical characteristics	Dimensions 1.57(d) x 3.15(w) x 5.12(h) in. (4.0 x 8.0 x 13.0 cm) Weight 1.1 lb. (0.5 kg) Full configuration weight 1.1 lb. (0.5 kg)
Mounting	Mounts in wall or desktop with optional mounting stand
Performance	Switching capacity 10 Gbps
Environment	Operating temperature 32°F to 104°F (0°C to 40°C) Operating relative humidity 10% to 90%, noncondensing Nonoperating/Storage temperature -40°F to 158°F (-40°C to 70°C) Nonoperating/Storage relative humidity 5% to 90%, noncondensing
Electrical characteristics	DC Voltage -46 to -50 VDC Notes Can also be powered via 802.3at PoE+
Safety	CSA; C-Tick; NOM
Emissions	FCC part 15 Class A; VCCI Class A; ICES-003 Class A
Notes	These switches can be powered by standard 802.3af PoE or by local power adapter. Also, they can be powered by certain pre-standard PoE+ implementations including HP V1910 PoE (JE007A) switches which use Layer 1 "two finger" power signaling. LLDP PoE+ signaling of the 802.3at standard is not supported. When powered locally or by pre-standard PoE+ from select HP switches, the IntelliJack is capable of forwarding standard 802.3af PoE to up to two attached devices. General protocols supported by the NJ2000G only: IEEE 802.1Q; IEEE 802.1X Port Access Entity; IEEE 802.3ad Link Aggregation (LAG)
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UV979E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UV982E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV980E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UV983E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV981E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UV984E) 3 Yr 6 hr Call-to-Repair Onsite (UW042E) 4 Yr 6 hr Call-to-Repair Onsite (UW043E) 5 Yr 6 hr Call-to-Repair Onsite (UW044E) 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 802.3ab 1000BASE-T

Technical Specifications

series)	IEEE 802.3af Power over Ethernet
	IEEE 802.3i 10BASE-T
	IEEE 802.3u 100BASE-X
	ANSI/TIA/EIA-568
	ANSI/TIA/EIA-569
	NEMA-WD6
	QoS/CoS
	IEEE 802.1P (CoS)

Accessories

HP IntelliJack Gigabit Switch Series accessories	Power Supply	
	HP Single-port 802.3at Gigabit PoE Midspan Power Supply	JD054A
	HP Gigabit Intellijack 48V Power Supply	JD055B
	Mounting Kit	
	HP NJ1000/NJ2000 IntelliJack Desktop Stand	JD056A

Accessory Product Details

NOTE: Details are not available for all accessories. The following specifications were available at the time of publication.

HP Single-port 802.3at Gigabit PoE Midspan Power Supply (JD054A)	Physical characteristics	Dimensions	5.51(d) x 2.56(w) x 1.42(h) in. (14 x 6.5 x 3.6 cm)
		Weight	0.44 lb. (.2 kg)
	Environment	Operating temperature	-4°F to 122°F (-20°C to 50°C)
		Operating relative humidity	5% to 90%
		Nonoperating/Storage temperature	-4°F to 149°F (-20°C to 65°C)
		Nonoperating/Storage relative humidity	5% to 90%
	Electrical characteristics	Voltage	100-240 VAC
		Current	0.6/1.0 A
		PoE power	33.6 W
		PoE	56 V
		Frequency	50/60 Hz
	Safety	Notes	IEEE 802.3at Draft 3.0
		Safety	cUL (CSA 22.2 No. 60950); CE Labeled; EN 60950-1; UL 60950-1:2003; IEC 60950-1:2001
		Emissions	EN 55022 Class B; FCC Part 15, Class B
Notes	The 1-port power converter has 1 AC power cord input, 1 RJ-45 10/100/1000 Mbps port for data coming from the network infrastructure, and 1 RJ-45 for data plus IEEE 802.3at Draft 3.0 compliant PoE for Gigabit Ethernet to power the access point.		
Services	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.		

Accessory Product Details

HP Gigabit IntelliJack 48V Power Supply (JD055B)	Physical characteristics	Dimensions	3.76(d) x 2.26(w) x 1.32(h) in. (9.55 x 5.75 x 3.35 cm)
	Environment	Weight	0.64 lb. (.29 kg)
		Operating temperature	32°F to 104°F (0°C to 40°C)
		Operating relative humidity	20% to 85%, noncondensing
		Nonoperating/Storage temperature	-4°F to 140°F (-20°C to 60°C)
		Nonoperating/Storage relative humidity	5% to 95%, noncondensing
	Electrical characteristics	Voltage	100-240 VAC
		Current	1/.6 A
		Maximum power rating	.5 W
		Frequency	50 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	UL 60950-1	
	Emissions	EN 55022	
	Services	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.	

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

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