



HP A29Z3A#B19 laser printer 1200 x 1200 DPI A4

Brand : HP

Product code: A29Z3A#B19

Product name : A29Z3A#B19

HP A29Z3A#B19. Print technology: Laser. Number of print cartridges: 1, Maximum duty cycle: 150000 pages per month. Maximum resolution: 1200 x 1200 DPI. Maximum ISO A-series paper size: A4. Print speed (black, normal quality, A4/US Letter): 50 ppm, Duplex printing. Display: LCD



Printing		Power	
Duplex printing mode	Auto	Energy Star Typical Electricity Consumption (TEC)	0.419 kWh/week
Print resolution black	1200 x 1200 DPI	AC input voltage	100 - 240 V
Colour *	✗	AC input frequency	50/60 Hz
Print technology *	Laser	System requirements	
Duplex printing *	✓	Windows operating systems supported	Windows 10 x64, Windows 10, Windows 11 x64, Windows 11
Maximum resolution *	1200 x 1200 DPI	Mac operating systems supported	Mac OS X 14.0 Sonoma, MacOS
Print speed (black, normal quality, A4/US Letter) *	50 ppm	Other operating systems supported	ChromeOS, Android, iOS
Warm-up time	145 s	Operational conditions	
Time to first page (black, normal)	4.1 s	Operating temperature (T-T)	10 - 32.5 °C
Watermark printing	✓	Storage temperature (T-T)	-20 - 40 °C
Features		Operating relative humidity (H-H)	10 - 80%
Maximum duty cycle *	150000 pages per month	Sustainability	
Recommended duty cycle	2500 - 12500 pages per month	Sustainability certificates	ENERGY STAR, EPEAT, Blue Angel, EPEAT Gold
Number of print cartridges *	1	Sustainable technologies and materials	Recyclable through HP Planet Partners; Contains at least 5% post-consumer recycled plastic
Page description languages *	PDF 1.7, PCL 6	Weight & dimensions	
Printer fonts	Scalable, TrueType, Windows, PCL, PostScript	Width	400 mm
Country of origin	Vietnam	Depth	400 mm
HP segment	Business	Height	305 mm
Input & output capacity		Pallet dimensions (W x D x H)	1200 x 1000 x 2318 mm
Total number of input trays *	2	Weight	11.8 kg
Total input capacity *	650 sheets	Packaging data	
Total output capacity *	250 sheets	Package width	511 mm
Paper tray 1 input capacity	100 sheets	Package depth	497 mm
Paper tray 2 input capacity	550 sheets	Package height	438 mm
Multi-Purpose tray	✓	Package weight	15.7 kg
Multi-Purpose tray input capacity	100 sheets		
Maximum number of input trays	6		
Maximum input capacity	2300 sheets		
Maximum output capacity	250 sheets		

Paper handling		Packaging content	
Maximum ISO A-series paper size *	A4	Warranty card	✓
Paper tray media types *	Plain paper, Bond paper, Recycled paper, Envelopes, Card stock, Labels, Transparencies, Rough paper, Letterhead	Cables included	AC
ISO A-series sizes (A0...A9) *	A4, A5, A6	Brand-specific features	
ISO B-series sizes (B0...B9)	B5	HP Dynamic security	✓
ISO C-series sizes (C0...C9)	C5, C6		
Non-ISO print media sizes	Oficio, 16K		
JIS B-series sizes (B0...B9)	B5, B6		
Envelopes sizes	B5, C5, C6, DL		
Photo paper sizes	10x15 cm		
Custom media width	76.2 - 216 mm		
Custom media length	127 - 356 mm		
Paper tray media weight	60 - 200 g/m ²		
Ports & interfaces			
USB port *	✓		
USB 2.0 ports quantity	2		
Network			
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Security algorithms	SNMPv3, SSL/TLS, EAP-PEAP, EAP-TLS, TLS, FIPS 140, HTTPS, IPsec		
Mobile printing technologies	Mopria Print Service, Apple AirPrint		
Performance			
Internal memory *	2048 MB		
Maximum internal memory	2048 MB		
Internal storage capacity	8 GB		
Processor frequency	1400 MHz		
Sound pressure level (printing)	54 dB		
Sound power level (printing)	6.9 dB		
Design			
Built-in display *	✓		
Display	LCD		
Colour display	✓		
Display diagonal	6.86 cm (2.7")		
Certification	CISPR 22:2008 (International) Class A, CISPR 32:2015 (International) Class A / EN 55032:2015 Class A + A11:2020, CISPR 35:2016 (International) / EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019 + A11:2021, EN IEC 61000-3-3:2013+A1:2019 + A2:2021, FCC 47 CFR Part 15 Class A, ICES-003, Issue 7 Class A. Other EMC approvals as required by individual countries.		
Power			
Power consumption (printing) *	552.4 W		
Power consumption (ready)	4.89 W		
Power consumption (PowerSave)	0.02 W		
Power consumption (off)	0.02 W		

Brand-specific features

HP Security tools

Identity management: Role Based Access Control (RBAC) Walk-up and Remote Access; Admin PW Protected EWS and Remote Access, Self-signed Certificate; Encrypted passwords; Personal on-device user accounts; Account Lockout (time-based); Kerberos AuthN; LDAP authentication; 1000 user PIN codes; Optional HP and 3rd party passwordless, MFA solutions (e.g.: badge readers); Protected Access (embedded) end user passwordless MFA for Microsoft Entra ID; Proximity card reader, single sign-on, smart card, CAC support. Network protection: IPsec/firewall with Certificate; Elliptic Curve Cryptography (ECC, EC-based certificates); Pre-Shared Key; Kerberos AuthN; Web Jetadmin fleet proxy; 802.1X (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS with Server Certificate Validation; Certificate Provisioning and CA support; Access Control List. Data privacy and protection: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated crypto libraries from Microsoft); Secure Erase with job storage (3x overwrite for HDD, cryptographic erase for SSD); SSL/TLS 1.2, TLS 1.3 support (HTTPS; Encrypted Credentials; Secure encrypted print support via UPD; AI-enabled Guided Redaction data security (select models). Device protection: Continuous malware monitoring; HP SureStart with Quantum Resistant BIOS firmware Integrity checking, PQC protection, and self-healing recovery; Allowlisting code validation (DLLs, EXEs, etc.) at time of use; Memory Shield hardware-enforced Runtime Intrusion Detection and Control Flow Integrity with self-healing recovery; AI-powered Connection Inspector network behavior anomaly detection with self-healing recovery; Trusted Platform Module 2.0; Configurable Service PIN; EU RED, UK PSTI, Australia Cybersecurity Act 2024 compliant; Embedded VPN (select HP Enterprise models); HP LaserJet Workflow Accelerator Card support (select HP Enterprise models); Wi-Fi security; WPA Enterprise; Security lock slot; USB host port disablement; Hardware integration pocket (HIP). Testing, Validation, Governance, and Compliance: FIPS 140-2, 140-3, Common Criteria Certification; NIST security checklist; Supply Chain Security ISO/IEC 20243 Certifications. Fleet security management: HP Security Manager policy and device certificate management, fleet firmware vulnerability assessment; Compatible with Device Security Syslog Messages processed and accessible in SIEM tools; HP Workforce Experience Platform Support (select models); Original HP Enterprise Cartridge Security.

Logistics data	
Pallet gross weight	330 kg
Layers per pallet	5 pc(s)
Products per pallet	20 pc(s)
Technical details	
Master (outer) cases per pallet layer	4 pc(s)
Compliance certificates	CECP, GS mark, CCC, BIS, cUL, UL, CE, BSMI
Other features	
Recommended system requirements	2 GB available hard disk space; Internet connection; USB port; Internet browser. 2 GB available hard drive space; Internet connection or USB port.
Recommended humidity operating range	30 - 70%
Power supply type	Built-in 3-Pin 115V or 220V Internal Power Supply
Recommended operating temperature range (T-T)	15 - 27 °C
Custom media sizes	Tray 1: 76.2 x 127 to 216 x 356 mm; Tray 2: 105 x 148 to 216 x 356 mm; Optional 550-sheet Tray: 105 x 148 to 216 x 356 mm; Envelope Feeder Accessory: 98 x 162 to 178 x 254 mm
Envelope feeder	Yes
Electromagnetic compatibility	CISPR 22:2008 (International) Class A, CISPR 32:2015 (International) Class A / EN 55032:2015 Class A + A11:2020, CISPR 35:2016 (International) / EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019 + A11:2021, EN IEC 61000-3-3:2013+A1:2019 + A2:2021, FCC 47 CFR Part 15 Class A, ICES-003, Issue 7 Class A. Other EMC approvals as required by individual countries.
Compatible operating systems	Windows 11 (64-bit and ARM64); Windows 10 (32-bit, 64-bit and ARM64); Android; iOS; macOS 14 Sonoma; macOS 15 Sequoia; macOS Tahoe v26; Linux: Debian 10; Linux: Debian 11; Linux: Elementary 6P; Linux: Fedora 31; Linux: Fedora 32; Linux: Fedora 33; Linux: Fedora 34; Linux: Fedora 35; Linux: Linuxmint 20.1; Linux: Linuxmint 20.2; Linux: Manjrolinux 20.2; Linux: Manjrolinux 21.0.7; Linux: Mxlinux 21; Linux: OpenSuse 15.1; Linux: OpenSuse 15.2; Linux: OpenSuse 15.3; Linux: Rhel 6; Linux: Rhel 7; Linux: Rhel 8; Linux: Ubuntu 20.04; Linux: Ubuntu 20.10; Linux: Ubuntu 21.04; Linux: Ubuntu 21.10; Linux: Zorin 15; Linux: Zorin 16; Chrome OS
Pallet dimensions (W x D x H) (imperial)	1199.9 x 1000 x 2318 mm (47.2 x 39.4 x 91.3")
Pallet weight (imperial)	330 kg (727.5 lbs)
Acoustic pressure emissions bystander (ready)	15 dB
Typical electricity consumption (TEC) number	0.419 kWh/Week (Blue Angel); 0.400 kWh/Week (ENERGY STAR 3.0)
UNSPSC-code	43212105

Other features

Box contents	HP LaserJet Enterprise 5501dn Printer; HP Original LaserJet Toner Cartridge (~6,000 pages); Regulatory flyer; Unpack Flyer; Installation Guide; Power cord; Warranty Cards; Support flyers/phone number list
Printing	Mono printing
Processor frequency	1.4 GHz



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