AXIS W800 System Controller

For flexible, scalable solutions

AXIS W800 System Controller is the central integration and management point of the body worn solution. The modular design of the system controller ensures a flexible and highly scalable system. A single AXIS W800 supports up to five docking stations and 40 cameras but can easily be extended with additional system controllers for larger body worn systems.

> **High speed supervised offloading**

> **Flexible and scalable**

> **Single system integration point**

> **Centralized system management**

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Network

Security	HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[b] network access control
Network protocols	IPv4, IPv6 USGv6, HTTPS[c], TLS[d], Bonjour, DNS, NTP, NTS, SRTP/RTSPS, TCP, UDP, ICMP, DHCP, ARP
Throughput	Camera to system controller: 100 Mbit/s (per camera) System controller to content destination: 1 Gbit/s

System integration

Application Programming Interface	Body Worn Integration API
Content destinations	**Evidence management systems** Third party evidence management software from Axis Application Development Partners **Video management systems** AXIS Camera Station, and other third party video management software from Axis Application Development Partners available at *axis.com/vms*

Approvals

EMC	EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2 **Australia/New Zealand:** RCM AS/NZS CISPR 32 Class A **Canada:** ICES-3(A)/NMB-3(A) **Japan:** VCCI Class A **Korea:** KC KN32 Class A, KC KN35 **USA:** FCC Part 15 Subpart B Class A
Safety	IEC/EN/UL 62368-1, IS 13252
Environment	IEC 60068-2-1, IEC 60068-2-14, IEC 60068-2-2, IEC 60068-2-27, IEC 60068-2-6, IEC 60068-2-78, IEC/EN 60529 IP3X
Network	NIST SP500-267
Cybersecurity	ETSI EN 303 645, BSI IT Security Label, FIPS 140

Cybersecurity

Edge security	**Software:** Signed OS, basic authentication, digest authentication, password protection, AES-XTS-Plain64 256bit HDD encryption **Hardware:** Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), system-on-chip security (TEE), secure keystore, secure boot, encrypted filesystem (AES-XTS-Plain 256bit)
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[e], IEEE 802.1AR, HTTPS[f], TLS v1.2/v1.3[g], X.509 Certificate PKI
Documentation	*AXIS OS Hardening Guide* *Axis Vulnerability Management Policy* *Axis Security Development Model* AXIS OS Software Bill of Material (SBOM) To download documents, go to *axis.com/support/cybersecurity/resources* To read more about Axis cybersecurity support, go to *axis.com/cybersecurity*

System

System size	Up to 40 cameras per system controller. Up to 1000 cameras per system. Manage multiple systems through AXIS Body Worn Manager Pro.

General

Casing	IP3X-rated Aluminum and plastic casing

	Color: black NCS S 9000-N
Mounting	Mounting bracket
Sustainability	PVC free
Power	12 V DC, Typical 12.25 W, max 16 W
Connectors	1 x (uplink) Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T 5 x (device network) Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T USB 2.0 DC connector for 12 V DC input
Storage	480 GB SSD
Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Dimensions	**AXIS W800 System Controller** Height: 53 mm (2.1 in) Width: 180 mm (7.1 in) Length: 180 mm (7.1 in) **Mounting bracket** Height: 57 mm (2.2 in) Width: 185 mm (7.3 in) Length: 198 mm (7.8 in)
Weight	**AXIS W800 System Controller** 765 g (1.7 lb) **Mounting bracket** 408 g (0.90 lb)
Included accessories	Mounting bracket
Optional accessories	AXIS TW8100 Rack Mount External Secured RFID Card Reader 125kHz + 13.56MHz with NFC (USB)
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see *axis.com/warranty*

a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
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c. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
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