

# 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**



# AXIS W800 System Controller

Network	
Security	HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control
Network protocols	IPv4, IPv6 USGv6, HTTPS <sup>a</sup> , TLS <sup>a</sup> , 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 <a href="https://axis.com/vms">axis.com/vms</a>
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
Cybersecurity	
Edge security	Software: Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure keystore, secure boot
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>a</sup> , IEEE 802.1AR, HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
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 <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>
General	
Cybersecurity	Signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module, CJIS compliant encrypted SSD (AES256) AES256 encryption standard, end to end encryption of content <sup>b</sup> Compliant with Security of Connected Devices; User is required to set password at first time use
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
Warranty	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).  
b. With selected content destinations