

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

HTTPS¹ encryption, IEEE 802.1x (EAP-TLS)¹ network access control

Network protocols

IPv4, IPv6, USGv6, HTTPS¹, TLS¹, 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)¹, IEEE 802.1AR, HTTPS¹, TLS v1.2/v1.3¹, 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

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

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
Data transfer: 1x USB 2.0 Type A, max load 500 mA, supported USB class: HID, Mass Storage
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
