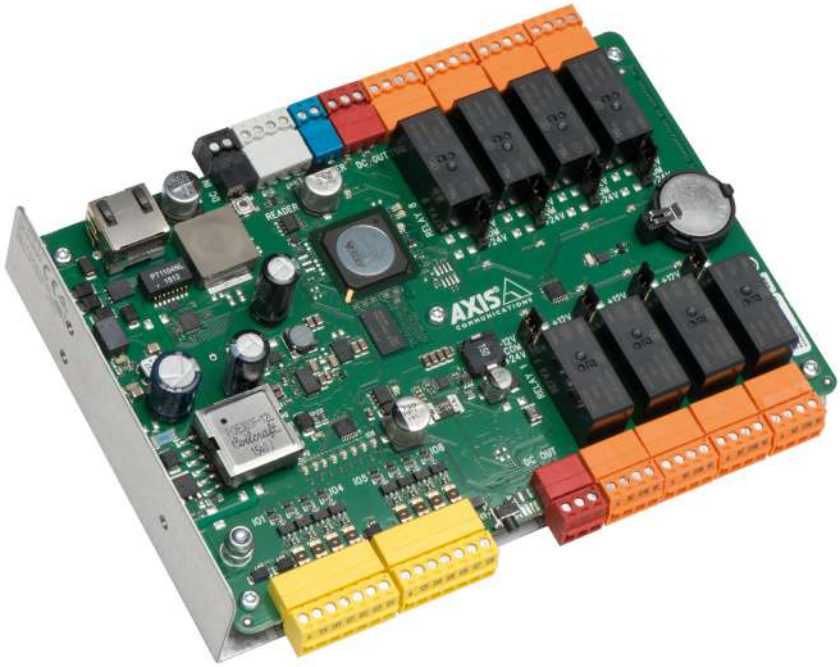
AXIS A9188 Network I/O Relay Module

Intelligent module with supervised inputs

AXIS A9188 Network I/O Relay Module is an intelligent module with configurable I/Os and relays and supports supervised inputs. With its open platform it offers a high level of integration with AXIS A1001 Network Door Controller and other facility systems, such as elevator control for floor management and HVAC (Heating, ventilation and AC) systems. It can also be used with AXIS Video Hosting System, AXIS Camera Station or third party partner software. The module provides power to I/O devices and can extend the functionality of any Axis product where you need additional I/Os or relays.

- > 8 I/Os with supervised inputs and configurable levels
- > 8 form C relays
- > 12 and 24 V DC output
- > PoE+ or 12 and 24 V DC input
- > Open API for software integration, including VAPIX



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I/O interface

Digital I/O
8x I/O, configurable as input, supervised input with analog read-out or output (Digital input: 0 to max 40 V DC, possible to supervise between 0-12 V (4 states), Digital output: 0 to max 40 V DC, Open drain, max 100 mA)

Relays
8x Form C relays, NO/NC contacts, max 1 A, 48 V DC, (max 30 V DC)

Network

Security
Password protection, IP address filtering, HTTPS[1] encryption, IEEE 802.1X network access control, digest authentication

Network protocols
IPv4, IPv6, HTTP, HTTPS[1], TLS[1], QoS layer 3 DiffServ, FTP, SFTP, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS

System integration

Application Programming Interface
Open API for software integration, including VAPIX®, specifications at *axis.com*
AXIS Video Hosting System (AVHS) with One-Click Connection
Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com*

Events & alarms

Tamper detection
Dedicated tamper input for external tamper contact(s)

Event history
30 000 First In, First Out (FIFO)

Event actions
Notification via email, HTTP, HTTPS and TCP, external output port
Status LED

Event triggers
Tamper detection, network lost, configuration, event logger, hardware, input signal, schedule, system, time, supervised inputs (4 states), relays and outputs, heartbeat lost

General

Sustainability
PVC free

Software
Configuration and basic management through Internet Explorer®, Firefox®, Chrome™, or Safari®

Memory
256 MB RAM, 256 MB Flash

Power
Power in:8–28 V DC, max 26 W or Power over Ethernet IEEE 802.3af Type 1 Class 3 or IEEE 802.3at Type 2 Class 4
Power out: 12 V DC and 24 V DC

Max power out shared between 12 V and 24 V outputs:

PoE Class 3: 3.6 W

PoE Class 4/DC input: 12 W

Connectors
1x RJ45 10BASE-T/100BASE-TX terminal blocks:
1x DC IN, 2x DC out, 8x Inputs/Outputs, 8x relays, 1x tamper, 1x RS485 (for future use), cable size for connectors: CSA: AWG 28–16, CUL/UL: AWG 30–14

Operating conditions
-30 °C to 55 °C (-22 °F to 131 °F)[2]
Humidity 20–85% RH (non-condensing)

1. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
2. *Outdoor installation requires AXIS T98A15-VE Surveillance Cabinet*

Approvals
EN 55022 Class B, EN 50130-4, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, C-tick AS/NZS CISPR22 Class B, VCCI Class B, IEC/EN/UL 62368-1, EN 50581

Dimensions
43 x 186 x 120 mm (1.7 x 7.3 x 4.7 in)

Weight
500 g (1.1 lb)

Included accessories
Connector kit, jumper kit, TORX® Key TR20, Installation guide

Optional accessories
AXIS T8133 Midspan 30 W, AXIS T8129 PoE Extender Power supply AXIS T8007 PS24, AXIS T98A15-VE Surveillance Cabinet[3]

Languages
English, French, Italian, German, Spanish

Warranty
5-year warranty, see *axis.com/warranty*

3. In outdoor installations combining AXIS A9188 and AXIS T98A15-VE, the allowed maximum voltage is 30 V DC.

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