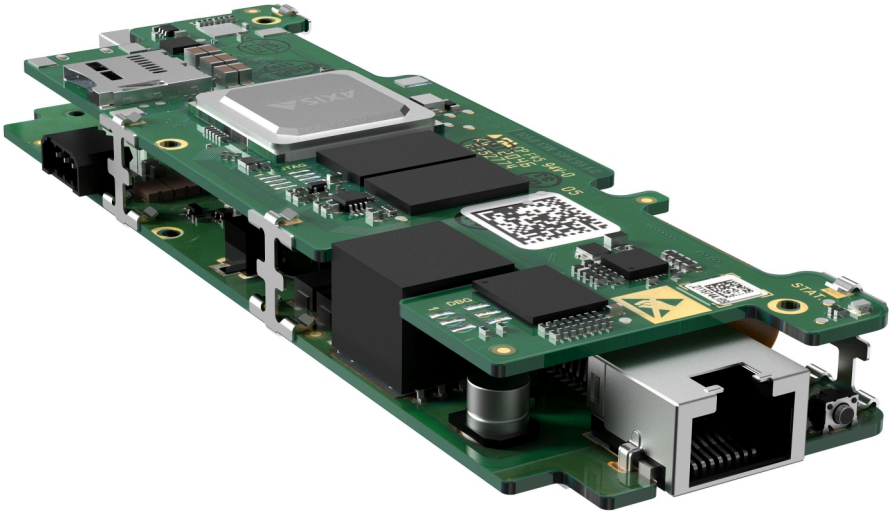
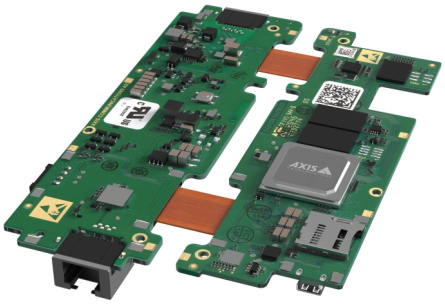
AXIS FA51-B Main Unit

Single-channel barebone with HDMI

This compact, single-channel modular main unit allows for discreet surveillance. It offers easy integration into other devices such as monitors and ATMs. This UL recognized component is designed to be integrated into a UL-certified product. Featuring an HDMI output, it's possible to display live video on a public viewing monitor. And, AXIS Face Detector highlights faces within bounding boxes to let would-be thieves know they're being monitored. It's compatible with all AXIS FA sensor units including IR sensor units. Furthermore, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network.

- > Easy integration with other devices
- > UL recognized component
- > HDTV 1080p at full frame rate
- > Discreet installation and surveillance
- > HDMI output for public viewing monitors





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System on chip (SoC)

Model	ARTPEC-6
Memory	1024 MB RAM, 512 MB Flash

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1920x1080 (1080p) to 160x90
Frame rate	Up to 25/30 fps in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264 HDMI
HDMI output	Single camera source Playlist: single camera sources, still images 1080p 30/25/24 fps (50/60 Hz) 720p 50/60 fps (50/60 Hz) 576p 50 fps (50/60 Hz) 480p 60 fps (50/60 Hz)
Image settings	Contrast, brightness, sharpness, Forensic WDR, white balance, exposure control, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including corridor format, mirroring, polygon privacy mask, control queue
Pan/Tilt/Zoom	Digital PTZ, preset positions

Network

Security	IP address filtering, HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[b] network access control, multi-level user, Axis Edge Vault with Axis device ID
Network protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[c], SSL/TLS[d], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, RTCP, DHCP, SOCKS, SSH, MQTT

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* One-click cloud connection ONVIF® Profile G and ONVIF® Profile S, specification at *onvif.org*
Event conditions	Device status, edge storage, I/O, PTZ, scheduled event, video
Event actions	Toggle I/O, send images, publish MQTT, send notifications, overlay text, recordings, SNMP trap messages, status LED, video clips
Data streaming	Event data

Analytics

Applications	**Included** AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, AXIS Face Detector, active tampering alarm **Supported** AXIS People Counter, autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

Approvals

Safety	UL recognized component
Network	NIST SP500-267
Cybersecurity	ETSI EN 303 645, BSI IT Security Label

Cybersecurity

Edge security	**Software:** Signed OS, 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:** Secure boot, Axis Edge Vault with Axis device ID, signed video, secure keystore (CC EAL4+ certified hardware protection of cryptographic operations and keys)
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[e], IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS[f], TLS v1.2/v1.3[g], 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 *axis.com/support/cybersecurity/resources* To read more about Axis cybersecurity support, go to *axis.com/cybersecurity*

General

Sustainability	PVC free, BFR/CFR free
Power	Power over Ethernet (PoE) IEEE 802.3af Type 1 Class 3, typical 5.2 W, max 6.82 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE RJ12 for sensor unit 4-pin terminal block for two configurable alarm inputs/outputs (12 V DC output, max. load 50 mA) HDMI type D
Storage	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*
Operating conditions	-20 °C to 50 °C (-4 °F to 122 °F) Maximum temperature (intermittent): 60 °C (140 °F) Start-up temperature: -20 °C (-4 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10-85% RH (non-condensing)
Dimensions	**Folded**: 18.5 x 45 x 140 mm (0.7 x 1.8 x 5.5 in) **Flat**: 17 x 92 x 140 mm (0.7 x 3.6 x 5.5 in)
Weight	67 g (0.15 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, terminal block connector
Optional accessories	AXIS T8415 Wireless Installation Tool, AXIS Surveillance Cards, AXIS T8120 Midspan 15 W 1-port For more accessories, see *axis.com*
Video management systems	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at *axis.com/vms*.
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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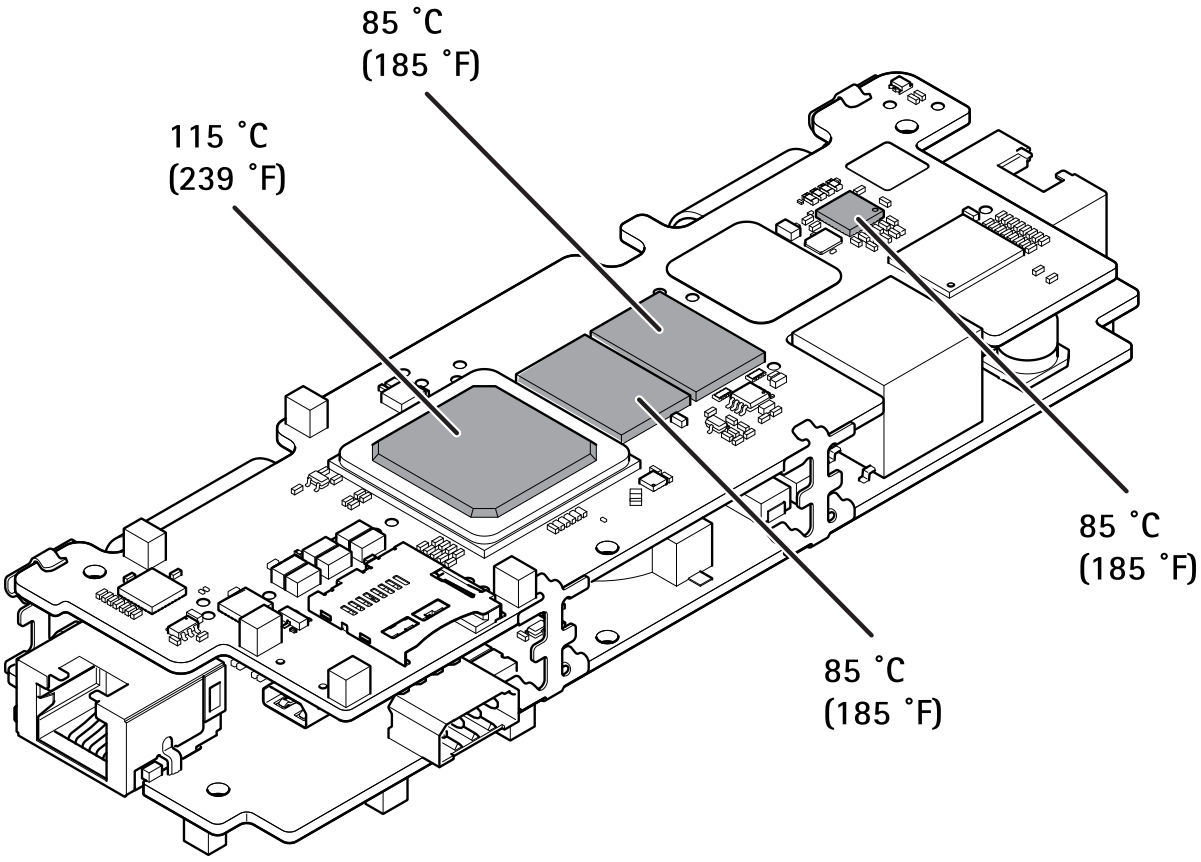

Maximum allowable temperatures