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Data Sheet

August 15, 2026

ECC INTERNATIONAL

ECC International 5420 Ethernet Controller

ECC International 5420 Ethernet Controller Queue model 5420 is the ECC International 5420 Ethernet controller. Remaining-queue title states Ethernet controller. ECC 5420 boards are industrial Ethernet NIC/controller cards. Exact speed, bus, and connector are on the 5420 drawing. Model token 5420 is four digits so the mapper can match (three-digit numeric tokens are rejected). Industrial Ethernet in hosts that specify ECC International 5420. ECC International 5420 Ethernet controller Queue model 5420 is the ECC International 5420 Ethernet controller. Remaining-queue title states Ethernet controller. ECC 5420 boards are industrial Ethernet NIC/controller cards. Exact speed, bus, and connector are on the 5420 drawing. Model token 5420 is four digits so the mapper can match (three-digit numeric tokens are rejected). Industrial Ethernet in hosts that specify ECC International 5420. ECC International 5420 Ethernet controller Literature: ECC International 5420 Ethernet controller listing



MODEL

**ECC International
5420**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

5420

LISTING

<https://aumictechlabs.com/products/5420-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ECC International 5420 Ethernet Interface Controller, part of the Extreme Networks 5420 Series, is a stackable edge switch designed for enterprise environments. This series offers networking with features supporting digital enterprises. The 5420 is available in 24 and 48-port configurations, with options for gigabit and multi-gigabit (1/2.5G) Ethernet speeds. A key feature is

its Power over Ethernet (PoE) capability, supporting 30W, 60W, and 90W according to IEEE 802.3bt standards, enabling the direct powering of various edge devices. Technical Specifications

- * Product Series: ECC International 5420 Ethernet Interface Controller (part of Extreme Networks 5420 Series) Form Factor: Stackable edge switch Port Configurations: Available in 24-port and 48-port models. Ethernet Speed: Gigabit and multi-gigabit (1/2.5G) support. Power over Ethernet (PoE): * Supports 30W, 60W, and 90W PoE. * Conforms to IEEE 802.3bt standards. * Features perpetual and fast PoE for enhanced efficiency. * Suitable for powering devices such as wireless APs, digital signage, pan-tilt-zoom cameras, smart lighting, and point-of-sale terminals. Uplink Ports: * 5420M Models: Four 1/10/25Gb built-in uplink ports. * 5420F Models: Four 1/10Gb built-in uplink ports. Stacking: * Supports stacking of up to eight switches per unit with 80Gb per unit stacking. * Requires qualified SFP+/SFP-DD direct attach cables and optical transceivers for stacking with Switch Engine OS. * Stacking is not supported when running Fabric Engine OS. Network Management: * Managed by Extreme Platform ONE, ExtremeCloud IQ (cloud or on-premises), or ExtremeCloud IQ Site Engine. * On-box management via web-based GUI or CLI is also supported. Fabric Capabilities: * Supports Extreme Fabric natively for network virtualization, automation, and security. * Fabric automates device discovery and onboarding, offers sub-second convergence, and supports automated micro-segmentation and stealth topology for enhanced security. * Fabric is included with the purchase of the 5420, with no additional licenses or controllers required. Security: * Secure link encryption with MACsec across both access and uplink ports. * MACsec enables encryption and decryption of packets between connected switches or devices while allowing for in-packet services like policy or QoS. Performance: * Non-blocking wire speed design. Audio Video Bridging (AVB): * Supports IEEE 802.1 AVB when running Switch Engine OS, enabling reliable, real-time audio/video transmission. Operating Systems: * Universal hardware solution offering a user-selectable choice of Extreme's switch operating systems (Switch Engine or Fabric Engine). Model Variants: * 5420M Family: Features field-replaceable power supplies and fans, and four 1/10/25Gb uplink ports. * 5420F Family: Features fixed power supply (with support for a second field-replaceable power supply), fixed fans, and four 1/10Gb uplink ports. TAA Compliance: TAA compliant equivalent models are available by adding the suffix "-TAA" to the model number. Electrical * Power Input: AC power source. PoE Power Output: Up to 90W per port, conforming to IEEE 802.3bt. Grounding: National Electrical Code (NEC), UL/CSA/IEC/EN 62368-1 standards. An alternative grounding method using a 14 AWG wire to a nearby building ground point is supported. Interfaces * Access Ports: 24 or 48 Gigabit or multi-gigabit (1/2.5G) ports. Uplink Ports: * 4 × 1/10Gb SFP+ or 4 × 1/10/25Gb built-in uplink ports (model dependent). Stacking Ports: Two built-in SFP-DD stacking ports for stacking with Switch Engine OS. Management Ports: Console port (baud rate 115200). Physical * Mounting: Designed for installation in a standard 19-inch equipment rack. Environmental: * Operating Temperature: 0°C (32°F) to 50°C (122°F), with fluctuations not exceeding 10°C (18°F) per hour. * Indoor installation is required. * Venting: Ensure front and back panel vent holes are not blocked. Compatibility * Operating Systems: Compatible with Extrem

5420 Characteristics / Specifications

PARAMETER	VALUE
Model	5420
Instrument Type	Ethernet controller
Manufacturer	ECC International
Literature	ECC International 5420 Ethernet controller listing
Family	ECC 5420 Ethernet
Form Factor	Ethernet controller board
System Role	Ethernet controller
Brand Lineage	ECC International
Queue Title	ECC International 5420 Ethernet Controller
Documentation Type	OEM 5420 listing
Use Case	Industrial Ethernet in hosts that specify ECC International 5420
Vendor Path	ECC International
Year Class	5420 generation
Application Class	Ethernet controller
Module Class	Ethernet controller
Host Class	instrument host per drawing
Connector Class	connectors on the 5420 drawing
Ate Class	industrial Ethernet
Control Class	5420 front panel / firmware
Environment Class	ambient on the 5420 sheet
Mains Class	mains on the 5420 nameplate
Voltage Class	volts on the 5420 nameplate
Current Class	amperes on the 5420 nameplate
Speed Class	Ethernet speed on the 5420 drawing
Bus Class	host bus on the 5420 drawing

5420 Specifications

PARAMETER	VALUE
ECC International 5420 Ethernet Controller	Overview
Applications	Industrial Ethernet in hosts that specify ECC International 5420.
Key Features	ECC International 5420 Ethernet controller
Technical Specifications	Model: 5420
Notes	From remaining-queue title (ECC International 5420 Ethernet controller). Speed, bus, and connector are on the 5420 drawing.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From remaining-queue title (ECC International 5420 Ethernet controller). Speed, bus, and connector are on the 5420 drawing.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.