

# RUCKUS® Pro AV switches product family

Enterprise-class stackable access switch for Pro AV

RUCKUS ICX Pro AV switches are purpose-built for professional AV networks while aligning seamlessly with enterprise IT standards. They ship with AV-optimized, preconfigured profiles that support common AV-over-IP needs, such as multicast and traffic prioritization, enabling true plug-and-play deployment with predictable results.

Built on the proven RUCKUS ICX enterprise platform, ICX Pro AV switches deliver the performance headroom needed for demanding applications like 4K/8K video, large-scale audio distribution, and real-time collaboration.



## Benefits

### Easy-setup AV profiles for instant AV network deployment

- Choice of RUCKUS enterprise management platforms, cloud based, on premises controller or controller less with quick and intuitive web GUI for switch settings
- Easy-to-use AV profiles with verified presets, letting you set up your AV network within minutes
- Templates optimized for popular pro AV end points including Dante, NDI, Crestron, and Q-Sys

### Gigabit access and 25G uplink/stacking ports for multi-location end-to-end AV networking

- 8, 24 and 48 Gigabit Ethernet ports
- Up to 4X 10/25 Gbps SFP28 uplink/stacking ports
- ICX AV switches are interoperable and can stack together within each switch series

### Power next-generation access points (APs) and power over Ethernet (PoE) devices

- PoE+ 802.3at, 30 watts per port on all ports
- Redundant power supply boots up the total PoE planning up to 1,440 W PoE budget

### Enhanced security and data privacy

- VXLAN support for advanced network segmentation and data confidentiality

### Advanced L3 routing delivers network design flexibility

- IPv4 and IPv6 L3 routing
- Static routes, RIP, OSPF, VRRP, VRF, GRE, PIM, PBR

### Enhanced availability

- Redundant, load-sharing power supplies and fans on specific models

### Services and support included

- Three years remote TAC support included with every ICX 8200 model
- Limited lifetime warranty

# The challenge of deploying IP networks for modern professional AV systems

Professional AV has moved to IP. Audio, video, and control traffic now share the network and introduce unique demands such as multicast, strict latency, and real-time QoS. Supporting these requirements reliably often requires advanced networking expertise, custom configurations, and manual tuning, adding complexity, risk, and longer deployment times.

As AV workloads grow to include 4K/8K video, multi-stream distribution, and real-time collaboration, general-purpose switches can struggle to deliver consistent performance without extensive optimization.

## From dedicated signals to IP-based AV

Traditional AV relied on fixed, point-to-point connections that were predictable but limited in scale and flexibility. AV-over-IP replaces physical routing with software-defined, many-to-many connectivity over Ethernet.

This shift enables greater scalability, longer distances, centralized management, and tighter integration with IT systems, but also makes AV performance dependent on network design, multicast handling, and QoS policies.

## AV is now an enterprise workload

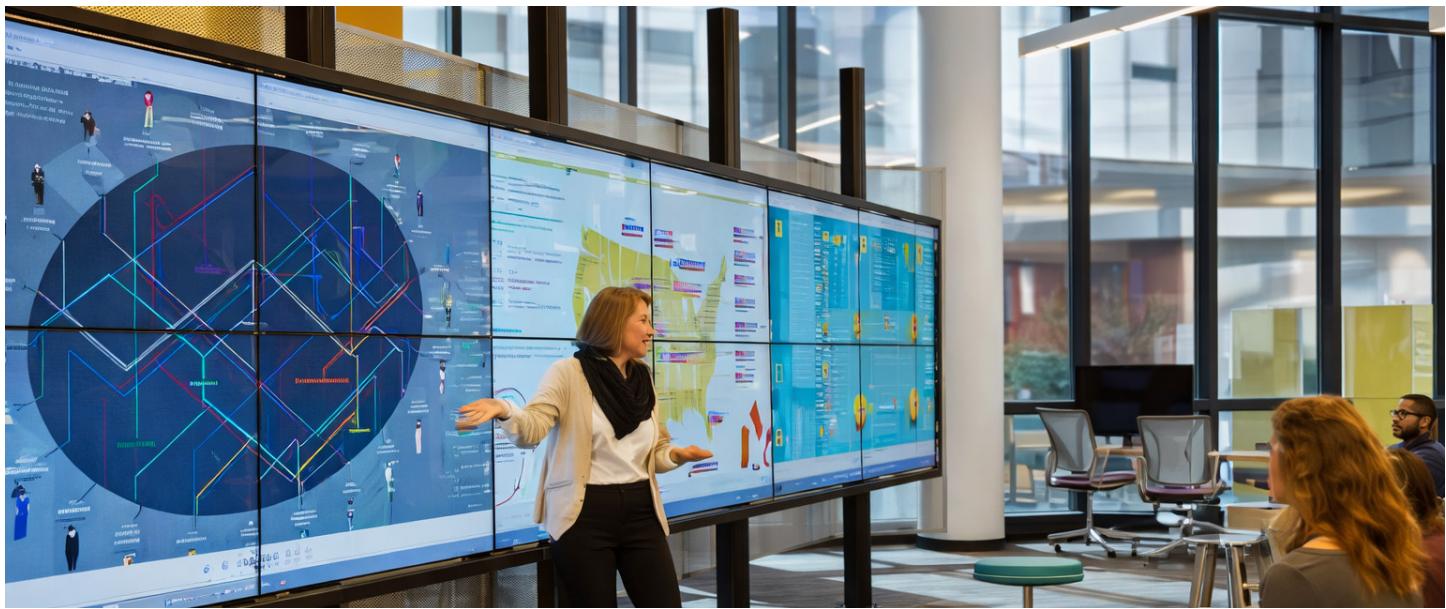
AV systems are no longer isolated, they run alongside business-critical applications on the enterprise network. This convergence calls for an enterprise networking approach that aligns with IT standards while delivering predictable AV performance without specialized tuning.

## Purpose-built switching for professional AV networks

RUCKUS ICX Pro AV switches are designed to address the networking requirements of professional AV deployments. The switches include AV-optimized configurations that are available out of the box, reducing the need for custom network design or specialized multicast and QoS configuration during installation.

The ICX Pro AV switches product line is based on the proven ICX enterprise-class switching architecture and supports high-speed connectivity. This provides the capacity and performance required for bandwidth-intensive AV applications such as 4K and 8K video distribution, large-scale multicast audio systems, and real-time collaboration platforms. Features including multicast control, traffic prioritization, and buffering are intended to support predictable performance in environments with high endpoint density.

The switches integrate with existing RUCKUS cloud based and on-premises management platforms, like RUCKUS One, SmartZone and Unleashed providing centralized visibility and operational consistency with broader network infrastructure. This allows organizations to deploy and scale AV networks while maintaining alignment with established IT standards, management practices, and security policies.



## Business benefits across key verticals

### Higher education

Supports classrooms, lecture halls, auditoriums, and large venues with consistent AV performance across campus. High-capacity switching enables bandwidth-intensive video and multicast audio while integrating with existing IT infrastructure.

### Hospitality

Delivers predictable AV performance for guest rooms, meeting spaces, and event venues. Centralized management simplifies operations across floors, buildings, or properties.

### K-12 education

Reduces deployment complexity for interactive classrooms and hybrid learning environments. Preconfigured AV profiles minimize manual tuning for schools with limited IT resources.

### Pro residential

Enables whole-home video, immersive audio, and automation with high-bandwidth support and simplified installation. Compact, quiet designs suit residential environments.

## RUCKUS ICX 8200 AV switches

These stackable RUCKUS ICX 8200 models offer a single integrated power supply, one RJ45 Ethernet port for out-of-band network management, one USB Type-C port for console management, and one USB port for external file storage.

	<b>ICX 8200-C08PFV PoE</b> <ul style="list-style-type: none"><li>• Designed for AV rack, in-wall, or desktop installations</li><li>• 8X 1/100/1000 Mbps RJ45 802.3at PoE+ rear facing ports</li><li>• 2X 1/10 GbE uplink/stacking SFP+ rear facing ports</li><li>• 124 W PoE budget</li><li>• AV Profiles, Fan-less</li></ul>
	<b>ICX 8200-24PV PoE</b> <ul style="list-style-type: none"><li>• Designed for AV rack or in-wall installations</li><li>• 24X 1/100/1000 Mbps RJ45 802.3at PoE+ rear facing ports</li><li>• 4X 1/10/25 GbE uplink/stacking SFP28 rear facing ports</li><li>• 370 W PoE budget</li><li>• AV Profiles</li></ul>
	<b>ICX 8200-48P-V PoE</b> <ul style="list-style-type: none"><li>• 48X 1/100/1000 Mbps RJ45 802.3at PoE+ ports</li><li>• 4X 1/10/25 GbE uplink/stacking SFP28 ports</li><li>• 370 W PoE budget</li><li>• AV Profiles</li></ul>
	<b>ICX 8200-48PF-V PoE</b> <ul style="list-style-type: none"><li>• 48X 1/100/1000 Mbps RJ45 802.3at PoE+ ports</li><li>• 4X 1/10/25 GbE uplink/stacking SFP28 ports</li><li>• 740 W PoE budget</li><li>• AV Profiles</li></ul>
	<b>ICX 8200-48PF2-V PoE</b> <ul style="list-style-type: none"><li>• 48X 1/100/1000 Mbps RJ45 802.3at PoE+ ports</li><li>• 4X 1/10/25 GbE uplink/stacking SFP28 ports</li><li>• 1,440 W PoE budget with two PSUs (740 W with one PSU)</li><li>• Dual hot-swappable power supplies and fans</li><li>• AV Profiles</li></ul>
	<b>ICX 8200-48ZP2-V Multigigabit PoE</b> <ul style="list-style-type: none"><li>• 32X 10/100/1000 Mbps RJ-45 PoE+ ports</li><li>• 16X 100/1000/2500 Mbps RJ-45 PoE++ 90W ports</li><li>• 4X 1/10/25 GbE uplink/stacking SFP28 ports</li><li>• 1480 W PoE budget with two PSUs (740W with one PSU)</li><li>• Dual hot swappable power supplies and fans</li><li>• AV Profiles</li></ul>
	<b>ICX 8200-C08ZP-V Multigigabit PoE</b> <ul style="list-style-type: none"><li>• 4X 100/1000/2500 Mbps RJ-45 PoE++ 90W ports</li><li>• 4X 1/2.5/5/10 Gbps RJ-45 PoE++ 90W ports</li><li>• 2X 1/10/25 GbE uplink/stacking SFP28 ports</li><li>• 240 W PoE budget</li><li>• AV Profiles</li></ul>

For additional technical details about the ICX 8200 AV switches, see the [ICX 8200 series data sheet](#).

## RUCKUS ICX 8100 AV switches

RUCKUS ICX 8100 models offer a single integrated power supply, one USB Type-C port for console management.

RUCKUS ICX 8100 compact models offer a single integrated power supply, one USB Type-C port for console management.

	<b>ICX 8100-C08PF-V PoE</b> <ul style="list-style-type: none"><li>• 10/100/1000 Mbps RJ-45 PoE+ ports</li><li>• 2x 1 GbE SFP uplink ports</li><li>• 124W PoE budget PoE+ 802.3at, up to 30W of PoE power per port</li><li>• AV Profiles, Fanless</li></ul>
	<b>ICX 8100-24P-V PoE</b> <ul style="list-style-type: none"><li>• Designed for AV rack or in-wall installations</li><li>• 24x 10/100/1000 Mbps RJ-45 PoE+ ports</li><li>• 4x 1 GbE SFP uplink ports</li><li>• 370W PoE budget. PoE+ 802.3at, up to 30W of PoE power per port</li><li>• AV Profiles</li></ul>
	<b>ICX 8100-48P-V PoE</b> <ul style="list-style-type: none"><li>• 48x 10/100/1000 Mbps RJ-45 PoE+ ports</li><li>• 4x 1/10GbE SFP uplink ports</li><li>• 740W PoE budget. PoE+ 802.3at, up to 30W of PoE power per port</li><li>• AV Profiles</li></ul>

For additional technical details about the ICX 8100 AV switches, see the [ICX 8100 series data sheet](#).

# Order information

## ICX Pro AV switches

Part number	Descriptions
<b>ICX8100-24P-V</b>	RUCKUS ICX 8100 Pro AV 1RU Switch, 24×10/100/1000 Mbps PoE+ 802.3at, 30W Class 4 ports, 4×1GbE SFP uplink-ports, 370W PoE budget, AV Profiles. Power cord not included
<b>ICX8100-48P-V</b>	RUCKUS ICX 8100 Pro AV 1RU Switch, 48×10/100/1000 Mbps PoE+ 802.3at, 30W Class 4 ports, 4×1GbE SFP uplink-ports, 370W PoE budget, AV Profiles. Power cord not included
<b>ICX8100-C08PF-V</b>	RUCKUS ICX 8100 Pro AV Compact Switch, 8×10/100/1000 Mbps PoE+ 802.3at, 30W Class 4 ports, 2×1GbE SFP uplink-ports, 124W PoE budget, AV Profiles. Power cord not included
<b>ICX8200-24PV</b>	RUCKUS ICX 8200 Pro AV 1RU Switch, 24×10/100/1000 Mbps PoE+ rear facing ports, 4×25 GbE SFP28 stacking/uplink rear facing ports, 370 W PoE budget, AV Profiles, three-year remote TAC support. Power cord not included.
<b>ICX8200-24ZP-V</b>	RUCKUS ICX 8200 Pro AV 1RU Switch, 24×100/1000/2500 Mbps PoE++ ports, 4×25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget, AV Profiles, three-year remote TAC support. Power cord not included.
<b>ICX8200-48P-V</b>	RUCKUS ICX 8200 Pro AV 1RU Switch, 48×10/100/1000 Mbps PoE+ ports, 4×25 GbE SFP28 stacking/uplink-ports, 370 W PoE budget, AV Profiles, three-year remote TAC support. Power cord not included.
<b>ICX8200-48PF-V</b>	RUCKUS ICX 8200 Pro AV 1RU Switch, 48×10/100/1000 Mbps PoE+ ports, 4×25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget, AV Profiles, three-year remote TAC support. Power cord not included.
<b>ICX8200-48PF2-E-V</b>	RUCKUS ICX 8200 Pro AV 1RU Switch, 48×10/100/1000 Mbps PoE+ ports, 4×25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget (with one PSU), hot swap power supplies and fans, one power supply and one fan included, AV Profiles, three-year remote TAC support. Power cord not included.
<b>ICX8200-48ZP2-E-V</b>	RUCKUS ICX 8200 Pro AV 1RU Switch, 32×10/100/1000 Mbps PoE+ ports, 16×100/1000/2500 Mbps RJ-45 PoE++ ports, 4×25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget (with one PSU), hot swap power supplies and fans, one power supply and one fan included, AV Profiles, three-year remote TAC support. Power cord not included.
<b>ICX8200-C08PFV</b>	RUCKUS ICX 8200 Pro AV Compact Switch, 8×10/100/1000 Mbps PoE+ rear facing ports, 2×10 GbE SFP+ stacking/uplink rear facing ports, 124 W PoE budget, AV Profiles, three-year remote TAC support. Power cord not included.
<b>ICX8200-C08ZP-V</b>	RUCKUS ICX 8200 Pro AV Compact Switch, 4×100/1000/2500 Mbps PoE++ ports, 4× 1/2.5/5/10Gbps PoE++ ports, 2×25 GbE SFP28 stacking/uplink-ports, 240 W PoE budget, AV Profiles, three-year remote TAC support. Power cord not included. Must use power cord with high temperature C15 connector.

Specifications subject to change.

## Accessories

Part number	For	Descriptions
<b>RPS23-E</b>	ICX 8200-48PF2	Hot-swap 920 W AC PoE power supply, front-to-back airflow. Only applicable to the ICX 8200 models with hot-swap power supplies (up to two per switch). Power cord not included.
<b>ICX-FAN13-E</b>	ICX 8200-48PF2	Hot-swap fan tray front-to-back airflow. Only applicable to the ICX 8200 models with hot-swap fans (up to two per switch).
<b>XBR-R000295</b>	ICX 1 RU Form Factor Models	1U, 1.5U, and 2U universal kit for four-post racks
<b>ICX7000-RMK</b>	ICX 1 RU Form Factor Models	Two-post fixed rack mount kit
<b>ICX-C-BLK-RMK</b>	ICX 8200-C08PFV, ICX 8100-C08PF-V	Rack mount kit for compact switches
<b>ICX7000-C12-WMK</b>	ICX 8200-C08PFV, ICX 8100-C08PF-V	Wall mount bracket kit for compact switches
<b>ICX-DIN-MNT</b>	ICX 8200-C08PFV, ICX 8100-C08PF-V	DIN rail mount kit for compact switches
<b>ICX8200-PREM-LIC</b>	All ICX 8200	ICX 8200 Layer 3 premium license. Enables advanced layer 3 features (OSPF, VRRP, PIM, PBR, VRF, GRE)
<b>CC-USBC-USBA</b>	All ICX	USB 2.0 Cable, Type-C to Type-A, 1 meter (for USB Type-C console port; already included in ICX8200-C08PFV and ICX8200-24PV)
<b>PCUSA2</b>	All ICX	C13 power cord for USA, NEMA5-15/C13, 13A, 125V (already included in ICX8200-C08PFV and ICX8200-24PV)
<b>PCEURO</b>	All ICX	C13 power cord for Europe
<b>PCAUS</b>	All ICX	C13 power cord for Australia
<b>PCCHINA2-IEC309</b>	All ICX	C13 power cord for China, 250 V 10 A
<b>PCINDIA</b>	All ICX	C13 6-ft AC power cord for India
<b>PCJAPAN</b>	All ICX	C13 power cord for Japan version
<b>PCSWISS-C1312G-HF</b>	All ICX	C13 power cord for Switzerland, SEV1011 TO C13, 10 A, 250 V, halogen-free
<b>PCUK</b>	All ICX	C13 power cord for United Kingdom
<b>PC-C13C14</b>	All ICX	C13/C14 15A power cord

Specifications subject to change.

## Warranty

RUCKUS AV ICX 8200 switches are covered by the RUCKUS Assurance Limited Lifetime Warranty. For details, visit [www.ruckuswireless.com/warranty](http://www.ruckuswireless.com/warranty).

## Exceptional support

RUCKUS ICX AV switches are supported by next-business-day advance replacement where available, as well as software defect repairs and maintenance updates. Three years remote TAC support is included with the product purchase (extends to 39 months from the original ship date). Many on-site and TAC support options are available and can be purchased bundled with the product or separately.

## Legal disclaimer

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## About RUCKUS Networks

RUCKUS Networks builds and delivers purpose-driven networks that perform in the demanding environments of the industries we serve. Together with our network of trusted go-to-market partners, we empower our customers to deliver exceptional experiences to the guests, students, residents, citizens and employees who count on them.

[www.ruckusnetworks.com](http://www.ruckusnetworks.com)

Visit our website or contact your local RUCKUS representative for more information.

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