

Highlights

Connectivity

- 6 x 1Gbps Ethernet (4 x PoE Ports)
- USB for LTE modem

SD-WAN Optimization

- User and application flow control
- Link state monitoring
- Multi-path optimization

Management and Analytics with ExtremeCloud™ IQ

- Automated deployments
- Simplified network operations
- Link state visibility monitoring
- Advanced reporting and network insights

Secure network access

- Layer 2-7 policy enforcement
- Identify, prioritize, and restrict traffic flows per link



ExtremeRouting™ XR600P

Cloud-Managed SD-WAN Midsize Router with Gigabit PoE+ Ethernet

The XR600P delivers cloud-managed SD-WAN routing for distributed organizations, extending unified, enterprise connectivity to any location.

The XR600P forms part of Extreme's SD-WAN branch networks solution, enabling distributed organizations to deliver a HQ-like experience for remote branches and teleworkers.

Combining powerful hardware with the extensibility of the XR600P's operating system, organizations can benefit from end-to-end QoS, application-aware traffic shaping and performance optimization. With features such as real-time dynamic path selection, traffic can be passed across multiple uplinks (including LTE) in real-time, based on connection performance and availability.



Built to Suit Your Business Needs

Extreme Elements are the building blocks that allow you to tailor your network to your specific business environment, goals, and objectives. They enable the creation of an Autonomous Network that delivers the positive experiences and business outcomes most important to your organization.

Combining architecture, automation, and artificial intelligence, Extreme Elements enable you to ensure that your users get what they need — when and where they need it. Providing these superior user experiences is as simple as mixing and matching the right elements.

Learn more at www.extremenetworks.com/extreme-elements/.



Lower TCO

ExtremeCloud Networking with virtualized VPN services dramatically reduce cost of investment and operations. Cloud management dramatically simplifies network administration, while multi-path optimization and application-based flow control help to reduce or completely remove costly MPLS links by improving performance across inexpensive broadband links.



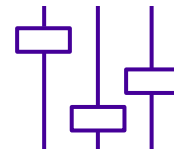
Optimized Connectivity

User and application-based traffic flow control enables organizations to identify, prioritize, and restrict traffic flows based on application or user context or bandwidth requirements. Direct mission-critical traffic through primary business-grade WAN connections, while less important traffic flows may be sent via secondary LTE or consumer-grade connections.



Secure Branch Access

Contextualized profiling, cloud security proxy, and a flow-based stateful firewall, enable IT to easily assign forwarding policies by application, user group, client OS, client Mac address, client location, and schedules. This allows corporate headquarters' network usage and security policies to be consistency enforced on every device, wired or wireless, regardless of their location.



Full Stack Management

The XR600P, managed by ExtremeCloud IQ, provides unified policy management and enforcement with connected access points and switches. Single pane of glass cloud management for wired and wireless LAN and WAN makes it easier to deploy, monitor, and support highly distributed networks.



Simplified Rollouts

With auto discovery and provisioning, the XR600P can be remotely deployed, phoning home to discover its management server and pulling down complex configurations in minutes. Thousands of XR600P's can be rolled out, configured, and updated from a single location in no time.



LTE Backhaul

USB connectivity supports LTE modems for greater backhaul flexibility. Load balance and enable redundancy across Ethernet and LTE, assign user and application groups to specific uplinks, or use the LTE connection alone for temporary locations without fixed Internet connections.

Product Specifications

Interfaces

- IEEE 802.3ab (1000BASE-T), 802.3u(1000BASE-TX), 802.3 (10BASE-T) compliant
- 6x 1GE ports
 - 2x WAN (WAN0 and WAN1), WAN1 can be configured as LAN port
 - 4x LAN (one can be configured as WAN port, 3x WAN ports total)
- 4x PoE ports with 60W power budget, supporting 4x IEEE 802.3af PoE, 2x 802.3at PoE+ or other combinations
- 1x USB 2.0 port and 1x USB 3.0 port with backward compatibility with USB 1.1 (1 side, 1 rear)
 - Either can be used as WAN via modem (only 1 at a time)
 - Optional modem protector can be installed for side USB port
- 1 Reset button to reset (on press) and load factory default settings (when pressed for more than 5 seconds)
- 1 RJ45 console port

Modem Support

- Skyus DS (Global)
- U620L (Verizon)
- ConnectedIO (LT1000)
- Huawei UMG366 (ATT and T-Mobile)
- Pantech UML290 (Verizon)

Performance

- Firewall throughput: Up to 600 Mbps
- VPN throughput: Up to 250 Mbps
- Multi-path optimization and link-state detection

Security

- VPN Server Mode (Layer 3 IPsec)
- VPN Client Mode (Layer 3 IPsec) with virtual gateway tunnel terminator
- URL Filtering
- Wired authentication including 802.1X, MAC authentication and Captive Web Portal support
- Identity-based access control plus application visibility for 1200+ apps
- Stateful firewall
- Full Trusted Computing Group (TCG) Trusted Platform Module (TPM)

Mounting

- Desktop
- Wall mount
- Optional rack mount key for 1U rack

Physical

- Dimensions: 8.7" W x 1.14" H x 6.3" D (22 cm W x 2.9 cm H x 16 cm D)
- Weight: 1.2 lb (544.31g)

Environmental

- Operating temperature: 32 °F to 104 °F (-0 to 40 °C)
- Storage temperature: -40 °F to 176 °F (-40 to 80 °C)
- Operating humidity: 10% to 90% RH (noncondensing)
- MTBF (based on Telecordia SR-332)
- 350,000 Hours at 25°C

Power

AC Power adapter:

- Input: 100 – 240 VAC
- Output: 54V/1.67A, 90.18W

PoE:

- 802.3af DC power up to 12.95W
- 802.3at DC power up to 25.5W

Physical Security

- 1 Kensington Security Slot

Ordering Information

XR600P - SKUs

SKU	Description
AH-XR600P	XR600P SD-WAN Router, 6x GE Ethernet Ports, 4x PoE PSE Ports, 2x USB, Console Port, with included power supply (power cord sold separately).

Power Accessories

Part Number	Description
AH-ACC-PW-CBL-AU	6ft universal power cord with AU plug. Compatible with XR600P, AP650/AP650X power supply, or any switch.
AH-ACC-PW-CBL-EU	6ft universal power cord with EU plug. Compatible with XR600P, AP650/AP650X power supply, or any switch.
AH-ACC-PW-CBL-KR	6ft universal power cord with Korea plug. Compatible with XR600P, AP650/AP650X power supply, or any switch.
AH-ACC-PW-CBL-UK	6ft universal power cord with UK plug. Compatible with XR600P, AP650/AP650X power supply, or any switch.
AH-ACC-PW-CBL-US	6ft 18 AWG universal power cord with US plug. Compatible with XR600P, AP650/AP650X power supply, or any switch.

Accessories

Part Number	Description
AH-ACC-XR600-USB	XR600P USB Protector. Includes screws.
AH-ACC-XR600-BKT	XR600P Mounting Brackets. Includes two brackets and screws.



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