Extreme Tunnel Concentrator

Highlights

- Traffic aggregation for distributed cloud-managed access points
- Management and analytics with ExtremeCloud™ IQ
  - Simplified network operations
  - Link state visibility monitoring
  - Advanced reporting and network insights
- Data segmentation
  - Separated guest and corporate traffic
  - Isolated management and data paths

High-Performance VPN Tunnel Termination

The Extreme Tunnel Concentrator is designed to simplify tunnel termination and is a key component of Extreme's branch solution. The application is part of the ExtremeCloud portfolio of applications and is deployed on the ExtremeCloud Edge platform. Extreme Tunnel Concentrator provides scalable, enterprise-class GRE/IPSec* tunnel termination for thousands of Layer 2 GRE/IPSec tunnels from remote access locations.

Underpinned by ExtremeCloud IQ management and software-defined device intelligence, the Extreme Tunnel Concentrator provides highly distributed organizations with simplified provisioning, increased network resilience, end-to-end visibility and control, and reduced cost and complexity.

* Any use of IPSec functionality refers to the use of Extreme Tunnel Concentrator with ExtremeCloud IQ Controller.

Deployment

- Up to 3 Tunnel Concentrator instances
- Max. number of tunnels per instance – 5,000 per instance and 15,000 per 4120C
- Professional Services recommended
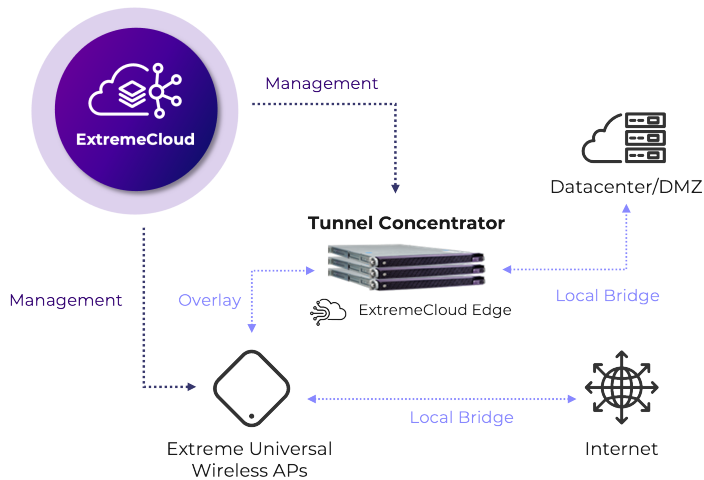- High availability with active standby redundancy

Performance

- QoS policy propagation
- Max. throughput per Extreme Tunnel Concentrator instance – 10 Gbps, 30 Gbps per appliance

Note: Throughput per Extreme Tunnel Concentrator instance may be affected by enabling IPSec encryption.

Management

- Flexible deployment of ExtremeCloud IQ cloud management for public, private, and ExtremeCloud Edge
- ExtremeCloud IQ Controller for on-premises Wi-Fi requirements
- Full-stack solution when combined with Extreme's unified switches, routers, and wireless APs
- Simplified rollout – near zero-touch deployment, automatically apply configuration policies
- Tunnel monitoring through ExtremeCloud IQ

ExtremeCloud

Management

Tunnel Concentrator

Datacenter/DMZ

ExtremeCloud Edge

Management   Overlay   Local Bridge

Extreme Universal Wireless APs

Local Bridge

Internet

Product Specifications

Layer 2 GRE Tunnel (when combined with Extreme APs)
- Traffic tunneling for guest and other desired user traffic
- Redundant tunnel support

Ordering Information

Extreme Tunnel Concentrator requires license activation, services option, ExtremeCloud IQ Pilot license, and Universal Compute Platform appliance with corresponding services SKU.

Extreme Tunnel Concentrator Application

Part number	Description
EXTR-IQ-TC	Extreme Tunnel Concentrator – Application activation
Service options: 98003-EXTR-IQ-TC 95603-EXTR-IQ-TC 97003-EXTR-IQ-TC	Service option descriptions: Premier (EWP) SOFTW SUB EXTR-IQ-TC Partner Works (PWP) SOFTWARE SUB EXTR-IQ-TC Extreme Works (EW) SOFTWARE SUB EXTR-IQ-TC
XIQ-PIL-S-C-EW	Pilot license per TC instance (manage from ExtremeCloud IQ)

Universal Compute Platform

Part number	Description
4120C	Universal Compute Appliance (large) For further details on product SKU, refer to Universal Compute Appliance datasheet