

# ES 500 Carrier Class Edge Access Solution

## KEY APPLICATIONS

- Compact, service-rich Customer Premise Equipment (CPE) for high-density residential and office buildings or business campuses
- On-demand bandwidth provisioning using hardware-based rate limiting for scalable Ethernet access services
- Support for VLANs, routing, and Layer 2 filters to provide secure VPN and Transparent LAN services to the customer premise

## PRODUCT OVERVIEW

The ES 500 is designed specifically as a service provider edge-access solution for Metropolitan Area Networks. It allows service providers to deliver value-added, Ethernet-based services efficiently and cost effectively. The ES 500 provides high performance IP services in a 1-rack unit (RU) form factor with 24 10/100 Ethernet ports, 2 Gigabit Ethernet uplink ports, and dual redundant power supplies.

The ES 500 is the ideal cost-effective platform to deliver profitable Metro Area Network services to the customer premise. It provides a rich set of Layer 2 and Layer 3 services including wire speed rate limiting, VLANs, routing, and Access Control Lists (ACLs).

## SERVICE PROVIDER CHALLENGES & ES 500 SOLUTIONS

Challenge	Solution
Establish profitable tiered services without compromising performance	Implementing hardware-based traffic classification including rate limiting and advanced Quality of Service
Deliver value-added VPN or Transparent LAN services with security	Hardware-based VLANs with wire-speed security filters to segregate customer traffic
Offer value-added content delivery services to the customer premise	Comprehensive multicast services that enable advanced video and data streaming services
Deliver high port density at a reasonable price point	1-RU form factor allows 1,008 10/100 Ethernet ports and 84 Gigabit Ethernet ports in a standard 84-inch Telco rack



