



Product Overview

The Centec E330 Series Routing Switches are high performance Ethernet switches to meet next generation network requirements designed based on Centec's high-end scalable chipset with integration of Layer 2 to Layer 4 packet processing engine, traffic management and fabric interface.

The E330 Series are cost-effective Ethernet access and aggregation platform to Metro, Enterprise and Data Center application. It provides high port density with 48GE fixed port and adopts flexible modular design to support maximum 4 x 10G uplinks.

The E330 Series Switches (Figure 1) currently includes three base configurations: E330-52TX/ E330-24T/ E330-52SX, and provide one uplink module: E330-NM-4SFP+ for E330-24T.



Figure 1 Centec E330 Series

Features

Technical highlights

- Standard 1RU pizza-box solution
- 176Gbps switching capacity
- Flexible modular uplink design
- Green and power-saving
- L2/L3/MPLS capability
- Service awareness Architecture
- Integrated advanced Metro features
- MEF9/14 Service Compliant
- Configurable profile for complicated deployment scenarios
- Out-band RJ45 Eth Management port (For Remote Monitor&Config.)
- RJ45 Console port (Config switch via PC)
- USB Interface (For Flash storage capacity extend)

Modular Uplink Design

- Up to 48 x 1GE fixed port
- Flexible to support 1G and 10G uplinks

- Up to 4 x 10GE uplinks

Flexible Table Size Management

- Configurable profiles for different MAC/IP/MPLS/ACL/Mcast distribution
- Up to 64K MAC address (E330-48S support)
- Up to 8K ACL

Advanced Metro Features

- Hardware based 802.1ag/802.3ah,Y.1731
- G.8031/G.8032 APS

Service Awareness Architecture

- Support service id concept with a flexible service classifier

Reliability

- Support STP/MSTP/RSTP/LACP/VRPP
- Sysmon monitors real-time CPU status
- ERPS (Ethernet Ring Protection Switching) allows for a fault tolerant ring network topology

Triple-play service

- Based on Centec Networks' proprietary, high performance ASIC technology, the E330 series fulfills high quality of service requirements with flexible queuing
- Up to 16K multicast groups, 1K physical replications and 4K logical replications, which makes it perfect to deliver broadcast TV and VoD

Advanced QoS

- Support up to 2K queues
- Supports Layer 2 to Layer 4 flow classification
- Up to 4K flow policies
- Supports multi-stage scheduling (SP, WDRR, SP + WDRR) and Tail drop/WRED

Layer 2/3 VPN

- Selective QinQ feature strictly conforms to 802.1Q and 802.1ad

Network Security

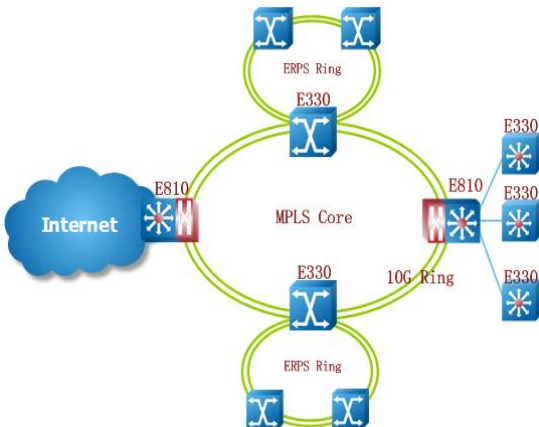
- Supports centralized port-based and MAC-based 802.1x authentication



- Supports standard and extended ACL.
- MAC port binding, port isolation, private VLAN, MAC security and MAC filtering
- DoS attack and CPU traffic protection.

Applications

Ring network topology allows service provider to establish robust network and operate multiple services. The Centec E330 Series is ideal for service provider Metro Ethernet access deployment, allowing providers to offer convergent application portfolio.



The E330 Series Switches offer two different CentecOS feature images, IP Base, IP Services, providing cost-effective and smooth service upgrade options. The service providers can choose the features they need today and have the option of software upgrade in the future.

Table 1 lists primary features in the CentecOS Software images.

IP Base	<ul style="list-style-type: none"> • L2 Switching/Selective QinQ/VLAN Translation/MVR/ERPS/Static IPv4/Ipv6 Dual Stack Routing/ RIPv1/v2/ VRRP /Smart link/ ACL/QoS/G.8031/G.8032/ /CFM/EFM/Y.1731 etc
IP Services	<ul style="list-style-type: none"> • IP Base /OSPF/IGMP v1/v2 / PIM-SM /Route Map etc

Table 1 CentecOS Software Images

* Features on roadmap

Ordering Info

Part Number	Description
E330-52TX	<ul style="list-style-type: none"> • 48x10/100/1000 Base-T Ethernet Port • 4 x 10G SFP+ Port
E330-24T	<ul style="list-style-type: none"> • 24x10/100/1000Base-T Ethernet Port • Modular Uplink
E330-52SX	<ul style="list-style-type: none"> • 48x100/1000 Base-X SFP Ethernet Port • 4 x 10G SFP+ Port
E330-NM-4SFP+	<ul style="list-style-type: none"> • Uplink Module for E330-24T • 4x1G/10G SFP+ Ethernet Port

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