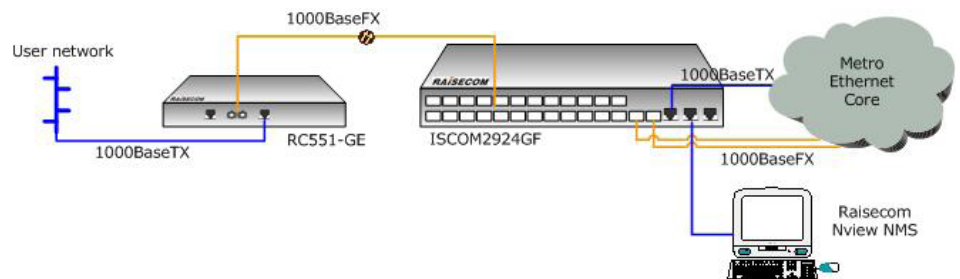


Ethernet Access Solution - L2 Fiber Ethernet Switch Plus Ethernet Demarcation Device

Service Demands

The potential value and advantages of Ethernet service deployment are compelling. Today, the vast majority of data traffic begins and ends as Ethernet. Using Ethernet as the protocol of access is a natural fit for many customers-one they understand and can easily integrate into their own networks. For the carrier, Ethernet can be easily and transparently transported across the metro network. Fiber optic has been recognized as the best media to support high bandwidth capacity over long distance and local access optical distribution network. As an access equipment vendor, Raisecom Technology develops and provides state-of-the-art Layer 2 all optical Switch plus Ethernet Demarcation solution.

Applications



- ISCOM2924GF is equipped with the most Layer 2 features such as Rate Limiting, Link aggregation, Quality of Service, IEEE802.1q VLAN tagging and stacking, Access Control List, Multiple VLAN Registration for IPTV, and Loopback detection.
- RC551 series is IEEE802.3ah OAM Compliant Intelligent Ethernet Demarcation Device (EDD) which serves as a service border controller located at the customer premises and owned by the service provider. EDD delivers managed converged services (voice, video and data) over VLAN in an access network or a metro Ethernet network. EDD offers considerable benefits to both carriers and their customers: end-to-end visibility and service control; SLA assurance and monitoring; multi-level Operation, Administration and Maintenance (OAM); security controls (protection against denial-of-service attacks); rate limiting; VLAN stacking, swapping and rewriting; priority queuing and the like. Raisecom RC551 series, both IEEE802.3ah and SNMP compliant Intelligent Ethernet Demarcation Device, with maximum interoperability, enables carriers and service providers to have a crystal-clear vision of their network and an easy convenient managed demarcation point.

This solution is designed for high-end ISPs and carriers to provide the most uptime network for their most important customers. ISPs and carriers monitor RC551 through its management IP address. While in diagnostic mode, they can telnet to RC551 and assign another IP address which is in the same IP segment as user network. With this IP address, they can ping and telnet to user device in order to check the connectivity and availability of user network. RC551 also support QoS functions and VLAN stacking to transmit traffics with user VLAN tags, which is quite useful for Triple Play applications.

Advantages

- Diagnostic function, stability, high density (24 links per rack unit), various media converter options (10/100/1000Mbps, singlestrand/dual-strand fiber), end-to-end unified network management, Quality of Service, and VLAN stacking (Q-in-Q).
- Pay as you grow: since ISCOM2924GF is based on Small-form Factor Pluggable fiber port, ISPs and carriers can flexibly decide how many SFPs they need at a POP.
- Clear Ethernet demarcation point between the end user customer and the carrier.
- OAM functionality:
 - Discovery
 - Remote failure indication: Dying gasp, link fault & critical event
 - Remote, local loopback
- Excellent price/performance enables cost-effective implementation of network.