



SALIRA 3000 SERIES

SYSTEM OVERVIEW

Key Benefits:

Based on the IEEE 802.3ah standard for EPON – Simplifies deployments and reduces training requirements

Point-to-Multipoint for cost-effective transport

Fiber for high bandwidth capacity

Passive splitters to eliminate power requirements in the outside plant

Ethernet PON – Cost-effective transport for advanced “triple play” services

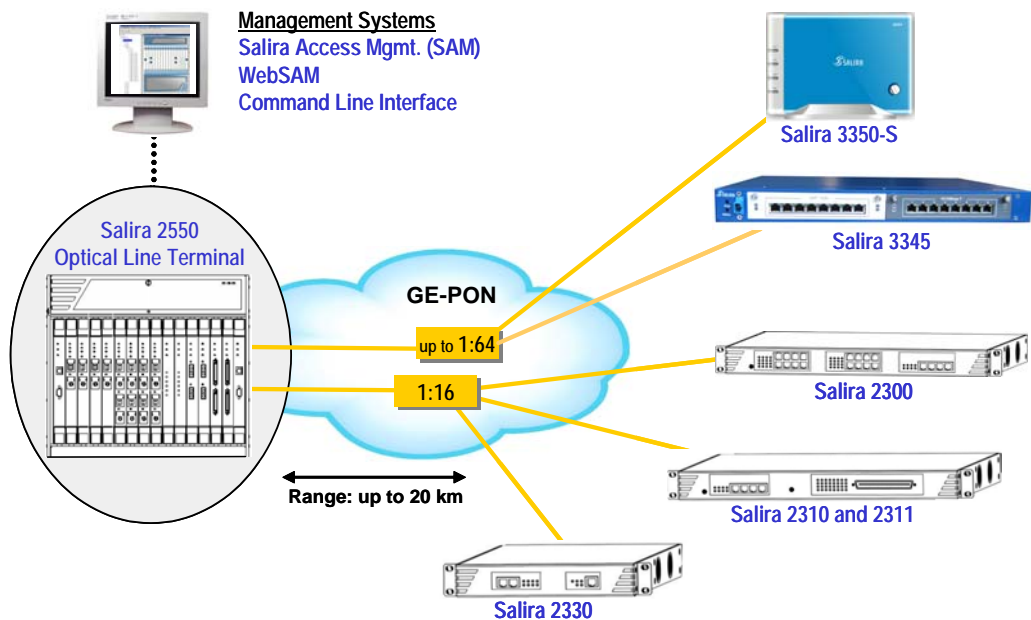
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Salira builds broadband systems for carriers worldwide to deliver advanced “triple play” (voice, video and data) services to business and residential customers. The Salira 3000 Series offers full capability to deliver IEEE 802.3ah standards-based EPON services using market leading Teknovus chipsets. The 3000 Series consists of the Salira 2550 Optical Line Terminal (OLT), the Salira 3345 Optical Network Unit (ONU) and the Salira 3350-S ONU. Services are provisioned and maintained by Salira’s best-in-class network management system known as SAM (Salira Access Management).

The Salira 3000 Series brings together a robust collection of network interfaces, a wide variety of mix-and-match CPE devices and a full line of network management tools in a fully-integrated access system. Salira reduces the complexity and expense of provisioning and maintaining broadband services, creating a cost-effective transport medium for countless revenue-generating services and applications including VOIP, IPTV, high-speed Internet access, ring extension and wireless backhaul.



The Salira 3000 Series can support up to 14 standards-based line cards, each with up to two PON links. This gives the ability to support up to 28 PON links per OLT. The maximum split ratio for each PON link is 1:64, meaning that 1,792 ONUs can be connected to a single OLT.

Salira offers a seamless migration path for its existing customers. Customers using the proprietary Salira 2000 Platform can add Salira 3000 line cards to existing hardware to deliver standards-based services via standards-based CPE devices. The Salira Access Management (SAM) system can simultaneously manage proprietary and standards-based services.



SALIRA 3000 SERIES

TECHNICAL SPECIFICATIONS

SYSTEM

- 1.25 Gbps symmetric PON interface over single fiber core
- Maximum 1:64 split ratio
- Support cascaded splitters for increased flexibility
- Up to 20 kilometer coverage radius
- Redundant System Controller Cards
- Protected PON links
- Network Interfaces: T1/E1, OC-3/STM-1, GE
- Mix & Match ONU devices
- Customer Side Interfaces: T1/E1, Fast Ethernet, FX, VDSL, GE

STANDARDS COMPLIANCE

- IEEE 802.3ah
- GR-63-CORE (NEBS)
- GR-1089-CORE
- FCC Part 15
- GR-499-CORE
- UL/CSA 1950-60950
- GR-253-CORE
- CE: IEC/EN 60950 & 60825

ADVANCED SERVICES

- Layer 2 & 3 Switching
- VLAN 802.1 p & q
- Security: Multi-level passwords, encrypted passwords
- QoS: PQ/CRQ/WFQ, ACL, WRED, 802.1q, IP Access Lists
- Service Level Agreement support per port
- Operational Tools: Topology display, power budget, planning, auto topology discovery, craft interface on all units
- TDM: T1/E1 channelized (Voice, Frame Relay, ATM, PRI ISDN)
- 802.1x Authentication

SALIRA ACCESS MANAGEMENT (SAM)

- TMN platform supporting EML & NML
- Java-based with support for NT, Linux and UNIX
- SNMP v1 & v2c
- Full MIBS support
- In-Band/Out-of-Band management channels
- Northbound OSS Interface
- Auto Provisioning of Cards and ONUs
- Environmental Monitoring
- Uninterrupted software upgrades
- Flash memory for software image download
- Full Performance Monitoring, Fault Management, and Fault Isolation
- Event tracking and history database

COMMAND LINE INTERFACE (CLI)

- Complete management functionality available via CLI

WebSAM

- Full CLI functionality available via web browser for remote access or starter deployments

SALIRA 2550

NETWORK SIDE INTERFACES

- Up to 28 1.25 Gbps symmetric
- Up to 8 OC-3/STM1s
- Up to 256 T1/E1

PON SIDE INTERFACES

Up to 28 1.25 Gbps symmetric SMF, MMF

CONTROL CARDS

- System Control 1:1 protection
- Timing: Stratum 2 sourced (BITS, trunk, or internal Stratum 3)

POWER

- Redundant -48 Volt DC power
- Maximum 460 Watts

ENVIRONMENTAL

- Temperature: -5 to 55 C (23 to 131 F)
- Humidity: 5% to 90% non-condensing
- Redundant fan

DIMENSIONS

- Height: 17.5" (44.45cm)
- Width: 17.5" (44.45cm)
- Depth: 10.22" (25.96cm)

WEIGHT

40 lbs. (18.14kg)

MOUNTING

- Center or front mounting
- 19" (48cm) rack
- 23" (55cm) rack

SALIRA 3345

NETWORK SIDE INTERFACES

One 1.25 Gbps PON

ENVIRONMENTAL

- Temperature: -5 to 55 C (23 to 131 F)
- Humidity: 5% to 90% non-condensing

CUSTOMER SIDE:

- Two hot swappable modular plug-in slots
- Three modular plug-ins:
 - 8 port 10/100BaseT
 - 8 port DMT VDSL
 - 8 port T1/E1

POWER:

- 100-240V universal AC
- Maximum 60 Watts

DIMENSIONS

- Height: 1.71" (4.36cm)
- Width: 17.32" (44cm)
- Depth: 6.69" (17cm)

WEIGHT:

11.02 lbs. (5kg)

MOUNTING:

- 19" (48cm) rack
- 23" (55cm) rack

SALIRA 3350-S

NETWORK SIDE INTERFACES

One 1.25 Gbps PON

ENVIRONMENTAL

- Temperature: -5 to 55 C (23 to 131 F)
- Humidity: 5% to 90% non-condensing

CUSTOMER SIDE:

- Two Fast Ethernet ports

POWER:

- 5V DC
- Maximum 10 Watts

DIMENSIONS

- Height: 4.53" (11.5cm)
- Width: 6.5" (16.5cm)
- Depth: 1.38" (3.5cm)

WEIGHT:

1.10 lbs. (0.5kg)

MOUNTING:

- Desktop
- Wall Mount