

RS 4060

High Bitrate Outdoor Access Aggregation Switch



- Lowest power consumption
- Passive cooled
- Small formfactor

NOVALINK 

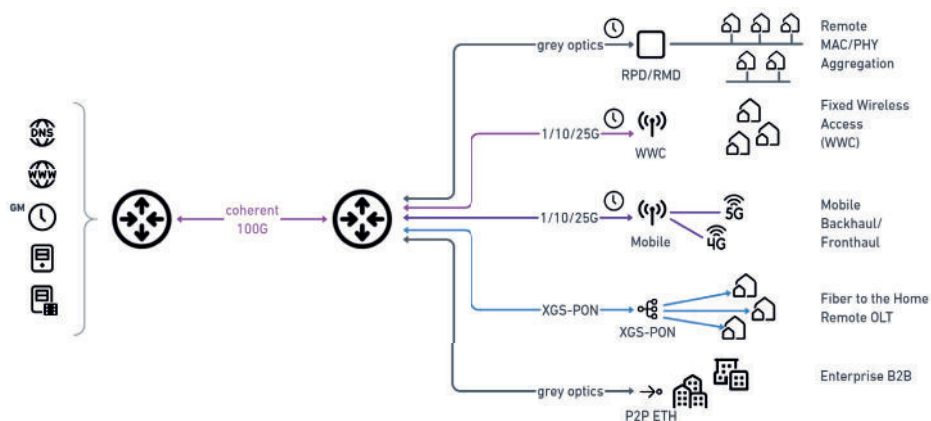
AGGREGATE. EVERYTHING. EVERYWHERE.

Description

WISI's high bitrate aggregation switch Series is designed for aggregation of multiple 1/10/25G interfaces available in today's access networks. This can be any R-PHY or R-MACPHY devices, Ethernet Gateways or mobile front- & backhaul scenarios. Each of the SFP28 ports can also transform into an 10G remote-OLT port to provide XGS-PON networks within the same region (with a future upgrade by 25G pluggable OLTs). Time Sensitive Networks (TSN), like Remote-PHYs or mobile networks, are supported transparently to maintain time synchronization across the device.

Features

- ✓ 6 x SFP28 ports
- ✓ 1 x QSFP28 port
- ✓ 1 x RJ45 Serial LMT port
- ✓ 1 x RJ45 1Gbps Management port
- ✓ 1x USB-A female port (mass storage devices)
- ✓ MACSec**
- ✓ Transparent PTP
- ✓ IP68



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High Bitrate Outdoor Access Aggregation Switch



General Data

Dimensions

W x D x H (mm): 285 x 287 x 140

W x D x H (in): 11.2 x 11.3 x 5.5

Weight (kg / lbs): 7 / 15.4

Power

AC-Input Option 1: 110-240 V AC,
50/60 Hz

DC-Input Option 2: -48 V DC

AC-Input Option 3: 27-90 V AC

Power

consumption typ.: < 45W¹¹depends on interface configuration/pluggables

Temperature

Operating: -25°...+55°C
-13°...+131°F

Environmental

IP Rating: IP68



Ethernet Interfaces

- 1x 100G QSFP28
- 6x 1/10/25G SFP28
- 1x 1G RJ45 OOB Management

Other Interfaces

- 1x RS232 RJ45 (LMT)
- 1x USB-A (Memory)

Basic Functions

- VCT Diagnostics Port features & Green Ethernet
- Jumbo Frames
- VLANs (Protocol / MAC / IPv4 based)
- QinQ
- VxLAN*
- GVRP/GARP
- Flow Control 802.3x and Back Pressure
- LAGs

Carrier Ethernet (MEF compliant)

- EVC Support*
- E-Line, E-LAN, E-Tree*
- OVC Support*
- E-Access*
- OAM*

Quality of Service

- CoS / QoS/Security
- Basic / Advanced QOS (Port/Flow)
- Ingress/egress Rate Limiting/Shaping
- SP/WRR Queue settings
- L2/L3 CoS --> Queue mapping

Security

- MACSec**
- Access Control and logging
- Time based ACL
- MAC/Port based security
- 802.1x MAC/Port/Web/Time based
- Radius Authentication/Accounting/802.1x
- TACACS+ Client and Accounting
- DHCP Snooping
- ARP Inspection
- IP Source Guard
- SCT CPU overflow protection

Monitoring

- Mirroring SPAN/RSPAN
- RMON/SMON
- SNMP v1/2/3 with MIBs
- Environmental PS/RPS, FAN, Temperature
- SFLOW v5
- Counters with History
- IEEE/IETF Standards
- STP/RSTP/MSTP etc.
- Syslog

Multicast

- IGMP Snooping v1/2/3
- MLD Snooping v1/2
- MLD Querier
- Unregistered Mcast
- IGMP/MLD Proxy
- Ports, Flows, CP

Management

- CLI/SNMP management (IPv4,IPv6)
- NetConf/YANG*
- RMON, Syslog, DNS, DHCP, SNTP, LLDP-MED
- Pull (Agent based)
- Push (central)
- DHCP based Self configuration/Update
- Multi-File Configs, Dual Firmware
- OOB & serial Console support

* optional software feature

** product variant