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FLASHLINK

ETH1000-SW-10G

Gigabit Ethernet switch with 10-Gigabit optical uplink

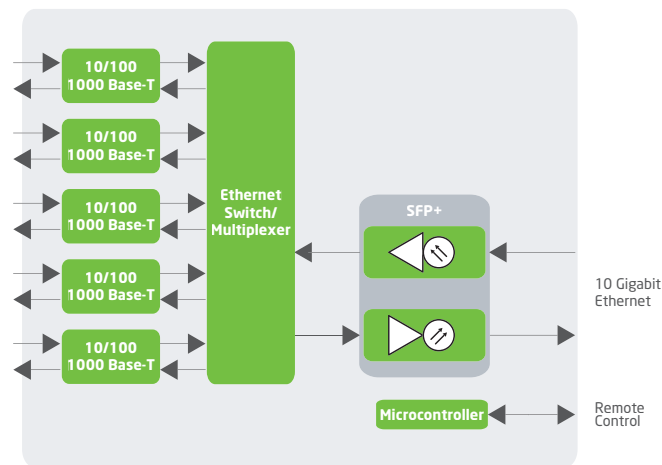**The Flashlink ETH1000-SW-10G transparently transports multiple GbE over a single optical wavelength.**

The ETH1000-SW-10G provides a highly integrated solution for aggregating and transporting up to 5 Gigabit Ethernet (GbE) signals over an 10 Gigabit Ethernet or fiber-based network. The 5 GbE ports are aggregated onto a single 10-Gigabit Ethernet (10GbE) network facing port which can be populated with Nevion SFP+ modules to facilitate optical transmission over a range of distances and optical wavelengths. All Gigabit Ethernet ports can auto-negotiate 10/100/1000 Base-T (full duplex) signals and the aggregation onto 10GbE can be in either multiplexed mode or switched mode. The multiplexed mode ensures transparent transport of the full GbE streams enabling full quality of service on each GbE ports. The switched mode optimizes the bandwidth before entering a 10GbE network allowing to maximize the number of services running on the network.

Applications

- Professional broadcast contribution
- Live media networking
- Remote production
- Fiber video networks

Key features

- 2 slot solution for Nevion Flashlink frame
- 5 auto-negotiating Gigabit Ethernet ports
- 10-Gigabit Ethernet aggregation port with auto-negotiation
- SFP+ module for user selectable optical interfacing
- Line rate Layer 2 switching
- VLAN tagging of all Ethernet packet flows
- GPI/O
- Time division multiplexer mode for transparent transport
- Optics removable with main board without detaching fiber connections

ETH1000-SW-10G

Supported standards

Gigabit Ethernet	IEE 802.3, 10 Base-T, 100 Base-T, 1000 Base-T
10 Gigabit Ethernet	IEE 802.3, 10G Base-SR, 10G Base-LR, 10G Base-ER

General

Power	+5V / 11W
GPI	1 in, 3 out
Configuration	Multicon GYDA web interface, SNMP, DIP switches
Monitoring	Multicon GYDA, SNMP, LED GPI

Application layer Ethernet ports

Gigabit Ethernet	5
Connectors	RJ45

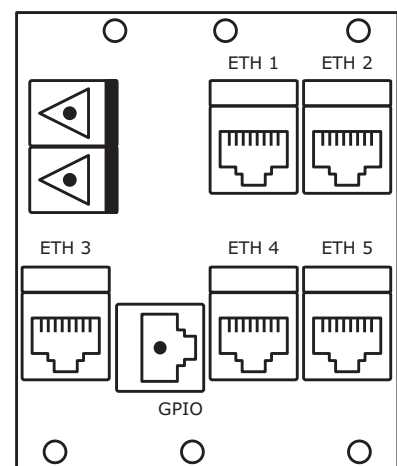## Network/fiber transport layer

10-Gigabit Ethernet	1
Connector	Dual SC/UPC
Optical system	See Nevion's range of 10GbE SFP+

Processing performance

Each Ethernet stream is VLAN tagged at the input and presented in an aggregated stream at the network port.

Ordering options

For ordering information please contact product@nevion.com

ETH1000-SW-10G backplane

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CONTACT INFORMATION

The Americas
ussales@nevion.com   +1 (805) 247-8560

Asia Pacific
asiasales@nevion.com   +65 6872 9361

Europe and Africa
sales@nevion.com   +47 33 48 99 99 / +47 22 88 97 50

Middle East
middle-east@nevion.com   +971 (0)4 3901018

UK
uksales@nevion.com   +44 118 9735831

nevion.com

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