

3080IPX

High Bandwidth Ethernet Switching Fabric for Video Application

The 3080IPX is an integrated multicast label switching fabric that unlocks the advantage of 10GE and 1GE signaling without sacrificing flexibility and ease of control necessary for video LAN/WAN transport applications.

Fully integrated within Evertz Software Defined Video Network (SDVN), the 3080IPX provides the deterministic control methods of traditional video routing in the IP domain with traditional control surfaces such as router control panels and graphical user interfaces.

As broadcasters are migrating towards IP Network infrastructures (local headend, media exchanges, etc.) the 3080IPX is the solution that offers a significant step forward in this process, with advances in security and simplicity.

The 3080IPX series is built with 10GE/1G ports and offers sizes of 16, 32 and 64 port options in 320Gb/s and 640Gb/s bandwidth configurations.

Coupled with the 570IPG series encapsulators, the IPX provides for baseband signal routing over 10GE infrastructure.

Coupled with the 3080IPG-ASI series of encapsulators, the IPX provides for compressed domain signal routing over 10GE infrastructure.

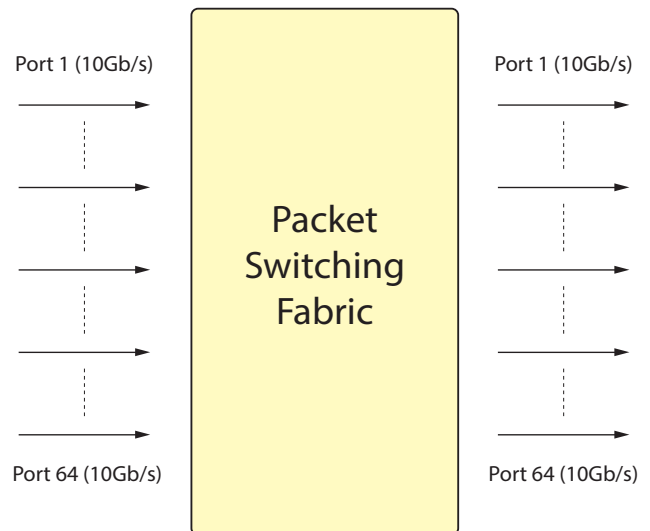
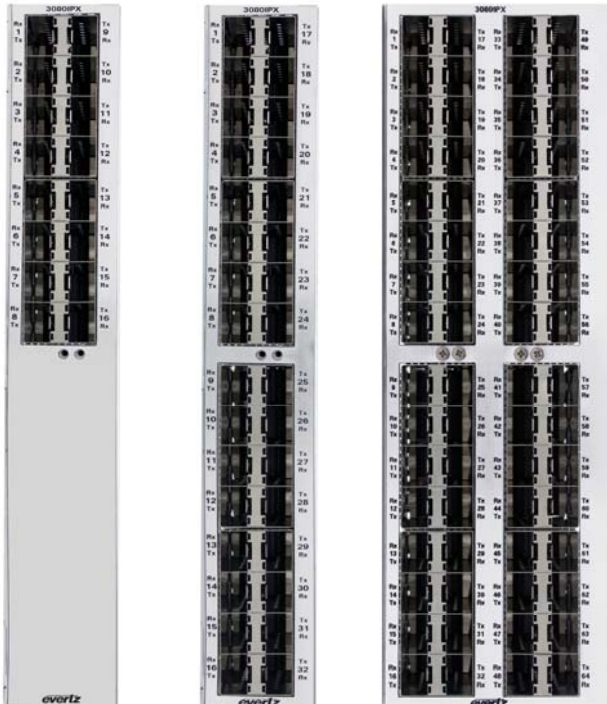
Using multicast encapsulated tunneling and optional protocols such as IGMP, the IPX forms the fundamental part of an IP Video overlay for intra and inter facility transport system making it ideal for a video environment.

The 3080IPX enhances the performance of IP based redundancy systems by removing IGMP convergence time. It enables IGMP subscription on contribution ports locally, during initial provisioning, and then on demand forward to downstream ports under software provisioning within seconds of requirements. The 3080IPX functions in conjunction with the 3080IPG-NAT or 7880IPG-NAT (Network Address Translator series) and removes the need for service providers to enforce address range restrictions and VLAN schemes for their customer in multi-tenant environments.

The 3080IPX enables business level flexibility by providing instant provisioning and control of your video IP network compared to traditional solutions that require months to provision and configure. All of this is available without compromise to security and robustness.

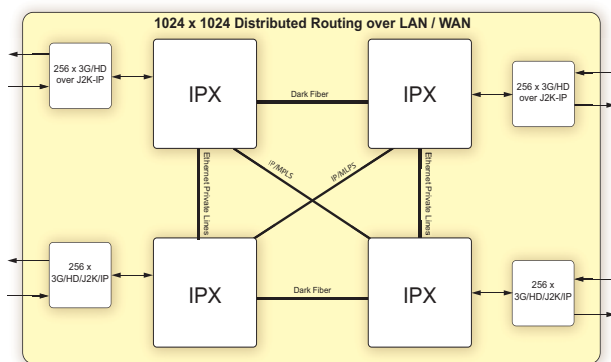
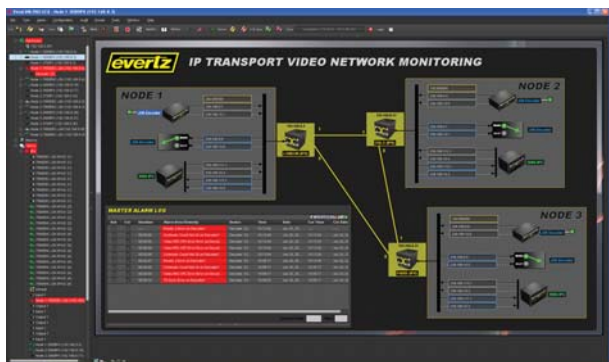
► Features & Benefits

- Part of Evertz Software Defined Video Network - enables business level flexibility by providing instant provisioning and control of your video IP network
- Deterministic IP Multicast packets routing
- Deterministic Multicast routing based on the VLAN tag
- Deterministic Multicast routing based on the incoming port
- Input Multicast auto-discovery
- Private VLAN or Port Isolation for secure communications of downstream hosts or devices
- Traffic Monitoring
- Point-to-point and multi-point signal distribution/contribution inside the facility
- Operates over multiple Network (Dark Fiber, Ethernet, P/MPLS) network
- High Performance Studio Interconnects
- Content Aggregation/Disaggregation
- 100% quality of service
- IP based redundancy systems performance enhancement with the removal of IGMP convergence time through the "push mode" Multicast routing
- IGMPv2,3 with SSM for inbound stream subscription, and on demand forwarding to downstream device within microseconds of request
- Functions in conjunction with the 3080IPG-NAT removing the need for service providers to enforce address range restrictions and VLAN schemes for their customer in multi-tenant environments
- 3080IPX can also be configured as a traditional Layer 2 switch where required
- Fully controlled by MAGNUM (SDVN) facility control system
- Fully controlled and monitored via VistaLINK PRO
- Fully controlled by Web Interface
- SFP/SFP+ interfaces



The Complete Solution Provider





Specifications

SFP Modules:

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|--|---|
| 3080IPX-16-10G (16xSFP Modules) | <ul style="list-style-type: none"> • 1000 copper RJ-45 (SFPTR-RJ45-SER-AV) • 10/100/1000 copper RJ-45 (SFPTR-RJ45-SGM-AV) • 10/100/1000 optical 1310nm (SFP1G-TR13) • 10GE optical 1310nm (SFP10G-TR13-A) • 10GE optical 1550nm CWDM |
| 3080IPX-32-10G (32xSFP Modules) | |
| 3080IPX-64-10G (64xSFP Modules) | |

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|-----------------------------|---------------------------|-------------------------|---|------------------------------------|---|---------------|--|
| Latency: | 2.5 μ s | Control Systems: | VistaLINK PRO NMS VistaLINK PRO CSM MAGNUM VUE | Physical (number of slots): | 3000FR, 3700FR 2 slots for 16, 32 port 4 slots for 64 port EMX3-FR, EMX6-FR 4 slots for 64 port EMX1-FR 2 slots for 16, 32 port | Power: | 3080IPX-16-10G: 60W 3080IPX-32-10G: 80W 3080IPX-64-10G: 120W |
| Routeable Multicast: | 1024 | | | | | | |
| Control Protocols: | SNMP Quartz Sinergy | | | | | | |

Ordering Information

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| 3080IPX-16-10G | Integrated Switching Fabric, 16 10GE port with 600Gb/s fabric bandwidth |
| 3080IPX-32-10G | Integrated Switching Fabric, 32 10GE port with 600Gb/s fabric bandwidth |
| 3080IPX-64-10G | Integrated Switching Fabric, 64 10GE port with 1.2 Tb/s fabric bandwidth |

Ordering Options

- +IG512
- +IG1024

For complete list of options please contact the factory.