

INTELLAFLEX XR

Chassis and Blades

In today's competitive business environment, network uptime and performance are critical. The INTELLAFLEX XR provides complete network visibility to monitoring and security tools, enabling enterprises to maximize uptime.



Features

- Complete network visibility
- Share monitoring and security tools
- Redundant controllers and power
- Hot-swappable power, controller, and blades
- 1G, 10G, 40G, and 100G wire speed ports
- Scalable systems up to 504 Ethernet ports
- Aggregate, filter, and load balance
- Deduplication, packet slicing, time stamping
- Traffic capture, storage and analysis options
- Easy-to-use WEBXR GUI and TITAN multi-switch management

INTELLAFLEX XR for Scalable Intelligent Network Monitoring

With APCON's intelligent network monitoring and packet aggregation switching technology, network managers can share an inventory of expensive monitoring tools, often distributed across multiple locations, while preventing oversubscription and data loss.

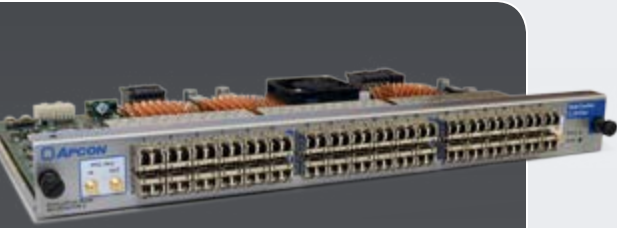
The INTELLAFLEX XR intelligent network monitoring switch is the solution to enterprise-grade requirements in the data center. INTELLAFLEX next generation intelligent network monitoring switches deliver up to 504 non-blocking 10 Gbps Ethernet ports, and port speeds ranging from 100M to 100G Ethernet.



INTELLAFLEX Chassis Family

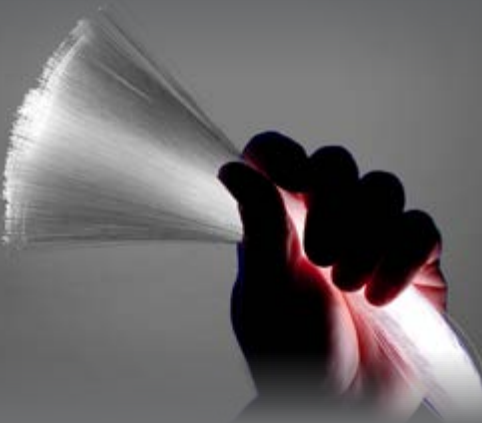
The INTELLAFLEX XR 14RU, 8RU, 4RU, 2RU and 1RU chassis

Together with flexible monitoring blades, INTELLAFLEX XR offers the broadest range of advanced network monitoring features, including time stamping, packet slicing, multi stage filtering, data rate conversion, protocol stripping and load balancing.



Multi Function Blade

The high-density 36-port INTELLAFLEX Multi Function blade offers the most flexibility in packet deduplication, protocol stripping and tagging, configurable packet slicing and time stamping based on a variety of precision network time protocols. Additionally, a full set of INTELLAFLEX intelligent network monitoring features is included with no additional per-port licensing or additional modules required!



100G Ethernet Monitoring

INTELLAFLEX XR makes it easy to monitor high speed networks, including 100G Ethernet, with existing security and performance monitoring tools.

Contact APCON for more information.



1-Blade Chassis
Up to 36 ports



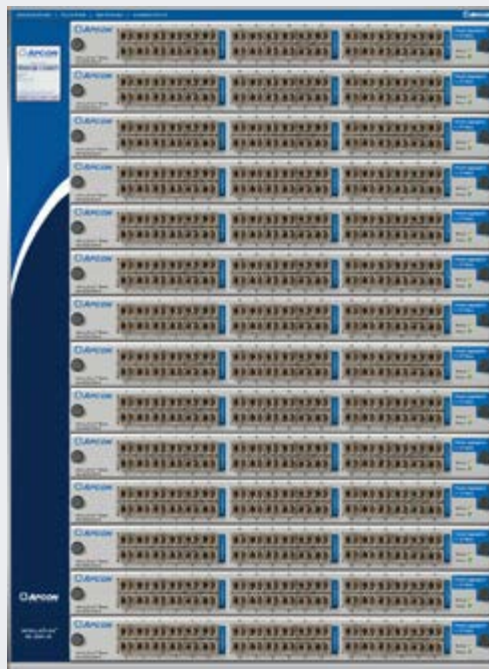
2-Blade Chassis
Up to 72 ports



4-Blade Chassis
Up to 144 ports



8-Blade Chassis
Up to 288 ports



14-Blade Chassis
Up to 504 ports



INTELLAFLEX XR Chassis Specifications

Throughput	Up to 5.04 Tbps switching (360 Gbps per blade) 1G up to 100G Ethernet switching architecture
High Density	Up to 504 non-blocking 10G ports in 14RU
Redundancy	Controllers, power supplies, and fans
Hot Swappable	Controllers, power supplies, blades and optics
XR Compatibility	Controllers, power supplies and blades work on all XR chassis
Software	Common software across all XR chassis Easy-to-use WebXR GUI plus CLI, SNMP and LCD
Power Supply	AC: 100 to 240 VAC auto-sensing 50-60 Hz DC: -48 VDC (-40 to -72 VDC)
3504-XR	4 minimum plus 4 redundant power supplies (optional)
3288-XR & 3144-XR	2 minimum plus 2 redundant power supplies (optional)
3072-XR & 3036-XR	1 minimum plus 1 redundant power supply (optional)
Chassis Power 3504-XR	600 Watts / 2047 BTU (no blades installed)
Chassis Power 3288-XR	350 Watts / 1194 BTU (no blades installed)
Chassis Power 3144-XR	250 Watts / 853 BTU (no blades installed)
Chassis Power 3072-XR	125 Watts / 427 BTU (no blades installed)
Chassis Power 3036-XR	120 Watts / 409 BTU (no blades installed)
Chassis Weight 3504-XR	160 lbs / 73 kg (fully loaded with 14 36-port blades and SFPs)
Chassis Weight 3288-XR	82 lb / 37.2 kg (fully loaded with 8 36-port blades and SFPs)
Chassis Weight 3144-XR	46 lb / 20.9 kg (fully loaded with 4 36-port blades and SFPs)
Chassis Weight 3072-XR	32 lb / 14.7 kg (fully loaded with 2 36-port blades and SFPs)
Chassis Weight 3036-XR	21 lb / 9.5 kg (fully loaded with 1 36-port blade and SFPs)
Chassis Size 3504-XR	24.5 × 17.2 × 25.0 in (62.2 × 43.7 × 63.5 cm) 14RU
Chassis Size 3288-XR	14.0 × 17.2 × 25.0 in (35.6 × 43.7 × 63.5 cm) 8RU
Chassis Size 3144-XR	7.0 × 17.2 × 25.0 in (17.8 × 43.7 × 63.5 cm) 4RU
Chassis Size 3072-XR	3.5 × 17.2 × 25.0 in (17.8 × 43.7 × 63.5 cm) 2RU
Chassis Size 3036-XR	1.75 × 17.2 × 25.0 in (4.5 × 43.7 × 63.5 cm) 1RU
Operating Temp	32 - 113 °F (0 - 45 °C)
Storage Temp	-40 - 158 °F (-40 - 70 °C)
Relative Humidity	Operating: 10-85%; Storage: 0-95% noncondensing
Safety	UL 60950, EN 60950, CSA C22.2 60950
EMC	EN 55022, EN61000, FCC part 15, ICES 003
Compliance	CE mark, RoHS compliant

Part Number	Description
ACI-3504-XR-[AC,DC][-R]	14 Blade Chassis, 4 Power Supplies, 1 or 2 Controllers
ACI-3288-XR-[AC,DC][-R]	8 Blade Chassis, 4 Power Supplies, 1 or 2 Controllers
ACI-3144-XR-[AC,DC][-R]	4 Blade Chassis, 2 Power Supplies, 1 or 2 Controllers
ACI-3072-XR-[AC,DC][-R]	2 Blade Chassis, 2 Power Supplies, 1 or 2 Controllers
ACI-3036-XR-[AC,DC]	1 Blade Chassis, 1 Power Supply, 1 Controller
ACI-3100-[AC,DC]	Extra AC or DC Power Supply for Redundancy

Key: [AC,DC] indicate AC or DC power; [-R] include -R for redundant controller

Why Choose APCON?

APCON's strategic advantages separate the INTELLAFLEX XR network monitoring switch from the competition:

Innovation

- Modular switch design based on large enterprise data center requirements
- Patented aggregation and filtering technology
- Advanced graphical user interface
- Unique multi-switch management software
- Common software and hardware across all chassis simplifies operations

Reliability/Redundancy

- Redundant controller and power supplies
- Separate data and control plane architecture maintains connections during controller swap
- Hot-swappable power supplies, blades, controllers, transceivers

Port Density and Scalability

- Four sizes of chassis from 1RU to 14RU
- Up to 504 ports in 14RU
- Up to 5.04 Tbps throughput capacity

INTELLAFLEX Blades



36 ports | 1G/10G Ethernet



32 ports | 1G/10G and 40G Ethernet



4 ports | 100G Ethernet



36 ports | 1G/10G Ethernet with packet deduplication, slicing, protocol stripping, and time stamping



14 ports | 1G/10G and 40G Ethernet with packet deduplication, slicing, protocol stripping, time stamping, GRE termination, traffic capture, and onboard applications



24 ports | 1/10G Ethernet includes 5 bypass pairs



18 ports | Service ports (16) and 40G Ethernet (2) with deduplication, NetFlow generation, and GRE termination

Blade Specifications

INTELLAFLEX XR Compatible Blades

Interfaces	
ACI-3030-E36-6	36 × 1G/10G SFP/SFP+ Ethernet
ACI-3030-E32-7	24 × 1G/10G SFP/SFP+ Ethernet 8 × 40G QSFP Ethernet
ACI-3011-E04-100	4 × 100G QSFP28 Ethernet
ACI-3032-E36-1	36 × 1G/10G SFP/SFP+ Ethernet
ACI-3033-S14-1	12 × 1G/10G SFP/SFP+ Ethernet 2 × 40G QSFP Ethernet
ACI-3033-E02-1	16 × Service Ports (up to 200 Gbps) 2 × 40G QSFP Ethernet
ACI-3030-T05-M1/S1	5 pair 1/10G Optical Bypass Taps 14 × 1G/10G SFP/SFP+ Ethernet
SFP/SFP+	100GBASE-T/SX/LX, 10GBASE-SR/LR
QSFP	40GBASE-SR4/LR4
QSFP28	100GBASE-SR4/LR4
Blades Power	150-320 Watts / 512-1092 BTU per blade
Blade Performance	All ports line rate > 200 byte packets
XR Backplane	360 Gbps backplane connectivity per blade 400 Gbps connectivity for 100G blade
XR Base Features	Aggregation, Filtering, Load Balancing, Any-to-Any and Multicast Connections, Multi Stage Filtering, and Port Tagging

Multi-Function	
ACI-3032-E36-1 ACI-3033-S14-1	Packet Slicing, Deduplication, Time Stamp, Protocol Stripping (FabricPath, VNTag, MPLS, GRE) Timing options GPS, IRIG-B, PTP, NTP
Capture/Storage	
ACI-3033-S14-1	Traffic capture and storage Integrated visibility tool software
HyperEngine	
ACI-3033-E02-1	Deduplication, GRE termination, NetFlow generation

Part Number	Description
ACI-3030-E36-6	INTELLAFLEX 36 Port 1G/10G Packet Aggregator
ACI-3030-E32-7	INTELLAFLEX 24 Port 1G/10G and 8 Port 40G Packet Aggregator
ACI-3011-E04-100	INTELLAFLEX 4 Port 100G Packet Aggregator
ACI-3032-E36-1	INTELLAFLEX 36 Port 1G/10G Multi Function
ACI-3033-S14-1	INTELLASTORE II Monitoring Appliance
ACI-3033-E02-1	HyperEngine Packet Processor
ACI-3030-T05-M1/S1	INTELLAFLEX Bypass Switch