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 resources.

Features
- Complete network visibility
- Share monitoring and security tools
- 1G, 10G, 40G, and 100G 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
- NetFlow generation
- Deep Packet Inspection
- Tunnel termination for virtual network monitoring
- 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 and security teams can share an inventory of expensive monitoring tools, often distributed across multiple locations, while preventing oversubscription and data loss.

The IntellaFlex XR network monitoring switch is the solution to enterprise-grade requirements in the data center. IntellaFlex XR network monitoring switches deliver up to 504 non-blocking 10 Gbps Ethernet ports, and port speeds ranging from 100M to 100G Ethernet.
IntellaFlex XR 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, load balancing, NetFlow generation, pattern matching, and tunnel termination.

Multi Function Blade
The high-density 36-port IntellaFlex XR Multi Function blade offers the most flexibility in packet deduplication, protocol stripping and tagging, configurable packet slicing and time stamping. Additionally, a full set of IntellaFlex XR network monitoring features is included with no additional per-port licensing.

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 at 1–800–624–6808 or apcon.com.
**Throughput**
Up to 5.04 Tbps switching (360 Gbps per blade)
16 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**
- **ACI-3504-XR**
  - AC: 100 to 240 VAC auto-sensing 50-60 Hz
  - DC: -48 VDC (-40 to -72 VDC)
  - 4 minimum plus 4 redundant power supplies (optional)
- **ACI-3288-XR & 3144-XR**
  - 2 minimum plus 2 redundant power supplies (optional)
- **ACI-3072-XR & 3036-XR**
  - 1 minimum plus 1 redundant power supplies (optional)

**Chassis Power**
- **ACI-3504-XR**
  - 600 Watts / 2047 BTU (no blades installed)
- **ACI-3288-XR**
  - 350 Watts / 1194 BTU (no blades installed)
- **ACI-3144-XR**
  - 250 Watts / 853 BTU (no blades installed)
- **ACI-3072-XR**
  - 125 Watts / 427 BTU (no blades installed)
- **ACI-3036-XR**
  - 120 Watts / 409 BTU (no blades installed)

**Chassis Weight**
- **ACI-3504-XR**
  - 160 lbs / 73 kg (fully loaded with 14 36-port blades and SFPs)
- **ACI-3288-XR**
  - 82 lb / 37.2 kg (fully loaded with 8 36-port blades and SFPs)
- **ACI-3144-XR**
  - 46 lb / 20.9 kg (fully loaded with 4 36-port blades and SFPs)
- **ACI-3072-XR**
  - 32 lb / 14.7 kg (fully loaded with 2 36-port blades and SFPs)
- **ACI-3036-XR**
  - 21 lb / 9.5 kg (fully loaded with 1 36-port blade and SFPs)

**Chassis Size**
- **ACI-3504-XR**
  - 24.5 × 17.2 × 25.0 in (62.2 × 43.7 × 63.5 cm) 14RU
- **ACI-3288-XR**
  - 14.0 × 17.2 × 25.0 in (35.6 × 43.7 × 63.5 cm) 8RU
- **ACI-3144-XR**
  - 7.0 × 17.2 × 25.0 in (17.8 × 43.7 × 63.5 cm) 4RU
- **ACI-3072-XR**
  - 3.5 × 17.2 × 25.0 in (17.8 × 43.7 × 63.5 cm) 2RU
- **ACI-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

**Security**
FIPS 140-2 Level 2 Validated

**Part Number** | **Description**
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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, 1 Power Supply, 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

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**IntellaFlex XR Chassis Specifications**

**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 WebXR graphical user interface
- Unique Titan 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**
- Five sizes of chassis from 1RU to 14RU
- Up to 504 ports in 14RU
- Up to 5.04 Tbps throughput capacity
# IntellaFlex Blades

## Interfaces

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<tr>
<th>Description</th>
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<tbody>
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<td>SFP/SFP+</td>
<td>ACI-3030-E36-6</td>
<td>IntellaFlex 36 Port 100M/1G/10G Packet Aggregator</td>
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<tr>
<td>QSFP</td>
<td>ACI-3030-E32-7</td>
<td>IntellaFlex 24 Port 100M/1G/10G and 8 Port 40G Packet Aggregator</td>
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<td>QSFP28</td>
<td>ACI-3030-E20-1</td>
<td>IntellaFlex 20 Port 40G Packet Aggregator</td>
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<td>Blades Power</td>
<td>ACI-3011-E04-100</td>
<td>IntellaFlex 4 Port 100G Packet Aggregator</td>
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<td>Blade Performance</td>
<td>ACI-3032-E36-1</td>
<td>IntellaFlex 36 Port 1G/10G Multi Function</td>
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<td>XR Backplane</td>
<td>ACI-3033-S14-2</td>
<td>IntellaStore® II+ Monitoring Appliance</td>
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<tr>
<td>XR Base Features</td>
<td>ACI-3033-E02-1</td>
<td>HyperEngine Packet Processor</td>
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<td></td>
<td>ACI-3030-T05-M1/S1</td>
<td>IntellaFlex Optical Bypass TAP</td>
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<td></td>
<td>ACI-3030-T05-C</td>
<td>IntellaFlex Copper Bypass TAP Blade</td>
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## Blade Specifications

### IntellaFlex XR Compatible Blades

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### IntellaStore® II+ Blade

ACI-3033-S14-1 (II) Traffic capture and storage, on-board traffic visibility applications

ACI-3033-S14-2 (II+) Traffic capture and storage, on-board traffic visibility applications

### HyperEngine

ACI-3033-E02-1 Deduplication, NetFlow generation, tunnel termination, protocol stripping and deep packet inspection