INTELLAFLEX
Bypass Switch

APCON

Five 1/10G Optical Network Bypass Switch
with Advanced Network Monitoring

Features

- 5 optical bypass 1/10G switches

- Fail-safe passive tap in bypass mode

- Up to 7 in-line appliance support

- Load balancing supports redundancy

- Heartbeat monitoring of appliance

- Up to 14 monitoring tool ports

- Monitor, aggregate, and filter traffic

- Central management and mobile app

- INTELLAFLEX chassis from 1RU to 14RU

Fail-safe In-line Network Security

The INTELLAFLEX Bypass Switch provides five fail-safe 1/10G optical bypass taps for in-line security appliances as well as support for load balancing, appliance redundancy and advanced network monitoring.

Protecting today's network requires advanced security systems such as Intrusion Prevention (IPS), Data Loss Prevention (DLP) or efficiency gain like WAN Acceleration appliances, however the complexity and maintenance of these systems can lower network availability. The INTELLAFLEX Bypass Switch maintains high network availability including intelligent heartbeat by providing optical bypass when in-line systems crash, degrade in performance, require security updates or need maintenance.

The five network bypass taps can connect up to seven in-line appliances including load balance and support for appliance redundancy. For example a network could load balance traffic across three IPS security appliances, and if one system is down, the Bypass Switch will automatically redistribute traffic across the remaining two systems providing IPS appliance redundancy.

DATA SHEET

The Bypass Switch provides advanced INTELLAFLEX network monitoring to select and groom traffic of interest to external monitoring tools, using any of the available 14 ports of copper or optical 1G/10G Ethernet. Systems can be installed as monitor only initially, then switched in-line when ready, making it easy to insert or remove in-line security tools.

DLP   IPS   IPS   IPS   WAN Acceleration

Load Balanced
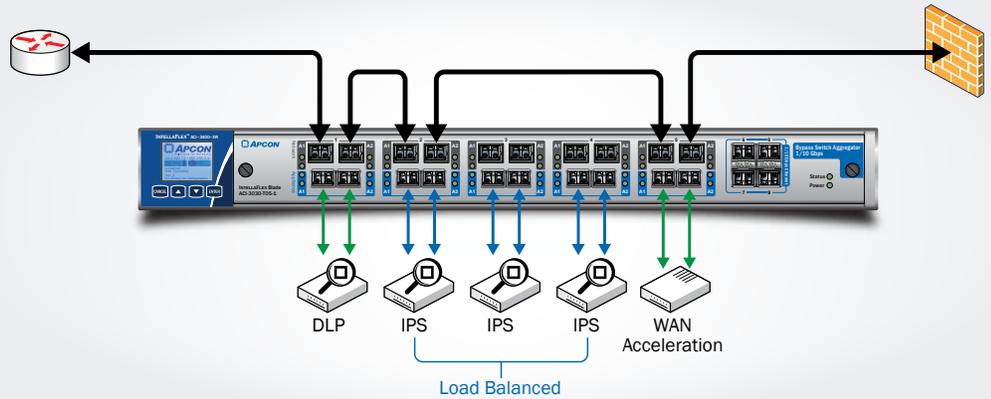
Network Visibility Family

INTELLAFLEX Bypass Switch is part of APCON's premier INTELLAFLEX XR network monitoring family, and is compatible with all systems from 1RU thru 14RU. Enhance multi-site management with TITANXR centralized management and the APCON Mobile phone and tablet application.

Bypass Switch Specifications

Network Ports	5 pair × 1/10G optical bypass taps Bypass mode: passive optical tap Through mode: in-line appliance Optical ports: Multimode or Single-mode
User Ports	14 × 1/10G Ethernet (SFP/SFP+) Enable up to 7 in-line appliances Enable up to 14 monitor ports
SFP/SFP+	1000BASE-T/SX/LX, 10GBASE-SR/LR
Heartbeat	Monitors appliance health Bypass when Heartbeat fails Select interval 100 ms to 5 sec Select missed Heartbeat packet threshold
Management	Easy-to-use WEBXR GUI plus CLI 2 LAN management ports (back) 1 CLI management port (back) HTTPS and SSH for secure access TACACS+, Radius and LDAP authentication
INTELLAFLEX Features (user ports)	Aggregation, Filtering, Load Balancing, Trunking, Any-to-Any and Multicast, Multi Stage Filtering, and Port Tagging
Power	170–200 Watts/580–682 BTU (no SFP/with SFP)
Power Supply	AC: 100 to 240 VAC auto-sensing 50–60 Hz DC: -48 VDC (-40 to -72 VDC) Optional redundant and hot swappable

Weight	21 lb / 9.5 kg
Size (H×W×D)	1.75 × 17.2 × 25.0 in (4.5 × 43.7 × 63.5 cm) 1RU
Operating Temp	32 to 113 °F (0 to 45 °C)
Storage Temp	-40 to 158 °F (-40 to 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 and ROHS compliant

Ordering / Part Number

ACI-3030-T05-M1	INTELLAFLEX Bypass Switch Blade, Multimode Ports
ACI-3030-T05-S1	INTELLAFLEX Bypass Switch Blade, Single-mode Ports
ACI-3036-XR-AC	INTELLAFLEX 1RU Chassis, AC Power Supply (1)
ACI-3036-XR-DC	INTELLAFLEX 1RU Chassis, DC Power Supply (1)
ACI-3100-AC	Optional redundant AC Power supply
ACI-3100-DC	Optional redundant DC Power supply

The INTELLAFLEX Bypass Switch Blade is compatible with all INTELLAFLEX XR chassis, see the INTELLAFLEX XR series for a complete list of chassis, blades and management software.