X2-2000G

*PROVIDES THE DATA THAT COUNTS FOR NETWORK MONITORING*

AGGREGATION, REPLICATION, L2–L4 FILTERING, LOAD BALANCING, PACKET SLICING, TIMESTAMPING

The Profitap X2-2000G is a high-end, high-density Network Packet Broker with a total throughput of 2 Tbps, offering packet slicing, timestamping, GRE de-tunneling, VXLAN de-tunneling, ERSPAN de-tunneling, and many more features. All X2-Series advanced features operate simultaneously at wirespeed without the need for a co-processor.

Featuring 48 SFP28 (1(port 1-16)/10/25 Gbps) and 8 QSFP28 ports (40/100 Gbps) the X2-2000G provides aggregation, replication, powerful filtering with up to 6000 non-conflicting rules, all in a single 1U rack unit.
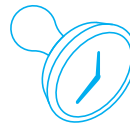
KEY FEATURES
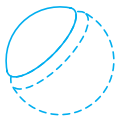
PACKET SLICING
Remove payload that is irrelevant to network monitoring and security analysis, conserving disk space and load on capture devices.

TIMESTAMPING
Leverage accurate timing information for accurate forensic analysis, and legal and criminal investigation.

GRE DE-TUNNELING
Forward data from remote sites to centralized monitoring and security resources without being parsed or treated like IP packets by any intervening routers.

ERSPAN DE-TUNNELING
Integrate the X2-2000G as a single, centralized point for ERSPAN de-tunneling in a new or already existing monitoring system based on data ERSPAN encapsulation.

LICENSABLE ADVANCED ADDITIONS

PACKET DEDUPLICATION LICENSE
Optimize network efficiency and traffic storage eliminating redundant packet copies at wirespeed.

X2-2000G-LIC-D

PROFITAP

TECHNICAL SPECIFICATIONS

CONNECTORS

48 x SFP28 ports
8 x QSFP28 ports
1 x RJ45 management port
1 x RJ45 console port
1 x USB 2.0 port

LEDS

1 x System status
1 x Fan status
1 x PSU status

DIMENSIONS (WxDxH)

440 x 460 x 44 mm — 17.32 x 18.11 x 1.73 in

WEIGHT

8.4 kg — 18.5 lbs

INCLUDED ACCESSORIES

2 x 850 W, 80+ Platinum, 100–240 VAC, 50–60 Hz PSUs
2 x C13 AC power cords — 1 x RJ45 to serial port adapter
1 x Rack mounting kit

COMPLIANCE

RoHS
CE
FCC

HIGHLIGHTS

- Aggregation, replication, L2-L4 filtering, VLAN tagging and stripping, MPLS stripping and load balancing (any-to-any, any-to-many, many-to-many)
- Local and remote management (CLI, SSH, GUI, SNMP, Syslog, TACACS+ / RADIUS authentication)
- Configuration automation with Ansible
- RESTful API support
- Flexible role-based management access
- In-line mode and in-line tool sharing
- Supports 1GbE (ports 1-16), 10GbE, 25GbE, 40GbE, 100GbE
- Redundant, hot-swappable PSUs and fan modules

ORDER REFERENCES

Base licenses cover the following key features: Aggregation, Replication, L2–L4 filtering, Load balancing, Packet slicing, Timestamping (ERSPAN), VLAN tagging, VLAN stripping, VXLAN de-tunneling, GRE de-tunneling and ERSPAN de-tunneling.

BASE LICENSE	DESCRIPTION
X2-2000G-244	X2-2000G NPB with activation license, 24 x 1(ports 1-16)/10/25G SFP28, 4 x 40/100G QSFP28
X2-2000G-488	X2-2000G NPB with activation license, 48 x 1(ports 1-16)/10/25G SFP28, 8 x 40/100G QSFP28
X2-2000G-UNLK	HD NPB, upgrade from half port to full port license

ADVANCED LICENSABLE FEATURES	DESCRIPTION
X2-2000G-LIC-D	De-duplication license

WARRANTY AND MAINTENANCE	DESCRIPTION
X2-2000G-WAR-1YR	X2-2000G extended warranty — 1 year
X2-MAIN-1YR	X2-2000G extended maintenance — 1 year (software updates, professional support)

X2 manager

X2-Manager is a web-based interface integrated in every X2-2000G unit, allowing easy access to the configuration and monitoring of X2-2000G settings and behavior from any OS or platform.

DEVICE STATUS

Device status offers a quick overview of operational statistics related to the packet broker hardware. Measured temperatures are recorded with a history of 72 hours, to allow filtering back in time on temperature statistics.

PORT MANAGEMENT

Port management offers instant overview of port status and speed. Users control the configuration of all QSFP modules, where each module offers additional information in the specific status section.

PORT STATISTICS

Port statistics displays and monitors the statistics counter for each of the device interfaces. Users can view or export this information for a later analysis. It is also possible to easily compare the traffic bandwidth on each port.

TRAFFIC MANAGEMENT

Define how the traffic will flow through the device interfaces. Using a direct control interface the user will be able to define aggregation, duplication and filtering rules. Advanced actions can be defined to manipulate the traffic, adding label information or stripping undesired headers.