X2-6400G

PROVIDES THE DATA THAT COUNTS FOR NETWORK MONITORING

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

The Profitap X2-6400G is a high-end, high-density Network Packet Broker with a total throughput of 6.4 Tbps, offering packet slicing, timestamping, GTP IP filtering, GRE tunneling and de-tunneling, VXLAN de-tunneling, ERSPAN stripping, and many more features.

Featuring 64 QSFP28 ports (40/100 Gbps) the X2-6400G provides aggregation, replication, powerful filtering and load balancing in very high bandwidth port monitoring and analysis scenarios, all in a 2U 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.

GTP IP FILTERING

Filter by IP in GTP sessions based on information contained in the data stream, identifying source and destination.

ERSPAN TUNNELING & DE-TUNNELING

Integrate the X2-6400G as a single, centralized point for ERSPAN stripping in a new or already existing monitoring system based on data ERSPAN encapsulation.

LICENSABLE ADVANCED ADDITIONS

GTP CORRELATION LICENSE

Stateful detection of mobile data sessions using subscriber ID (IMSI) to filter, replicate, and forward to the appropriate monitoring tools.

X2-6400G-LIC-G

PACKET DEDUPLICATION LICENSE

Optimize network efficiency and traffic storage eliminating redundant packet copies.

X2-6400G-LIC-D

TECHNICAL SPECIFICATIONS

CONNECTORS

64 x 100GbE QSFP28 ports
2 x 10GbE SFP+ I/O ports
1 x RJ45 management port
1 x RJ45 (serial) console port
1 x USB 2.0 port
1 x micro USB (serial) console port

LEDS

1 x System status
1 x Fan status
1 x PSU1 status
1 x PSU2 status

DIMENSIONS (WxDxH)

440 x 430 x 88 mm — 17.32 x 16.93 x 3.46 in

WEIGHT

18 kg — 40 lbs

INCLUDED ACCESSORIES

2 x 1200 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)
- RESTful API support
- Flexible role-based management access
- In-line mode and in-line tool sharing
- 40GbE, 100GbE support
- Up to 256 x 10/25G SFP28 or 128 x 50G SFP56 logical ports via fanout cables
- Redundant, hot-swappable PSUs and fan modules

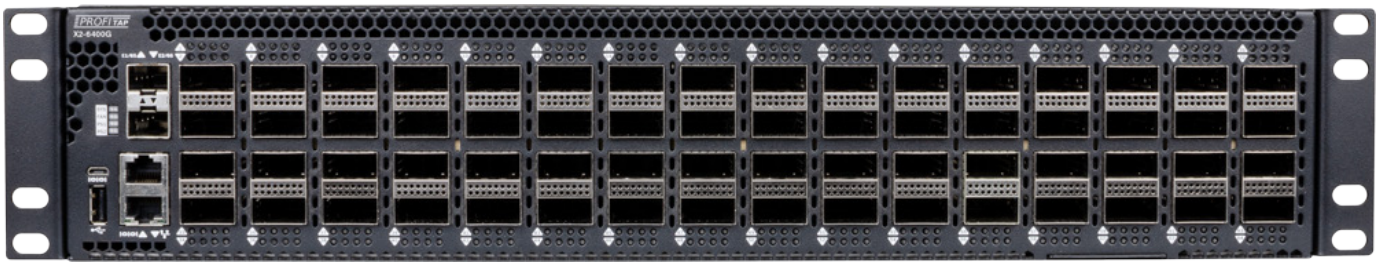
ORDER REFERENCES

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

MAIN UNIT	DESCRIPTION
X2-6400G-AC	HD NPB, 64 x 40G/100G QSFP28, 2 x 1200W, 100–240 VAC PSUs

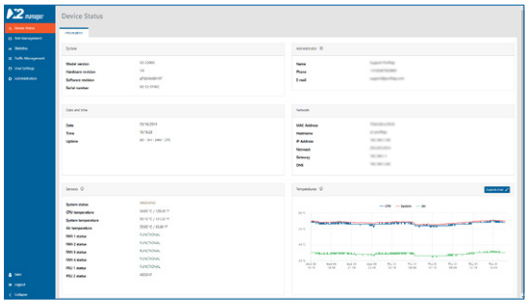
ADVANCED LICENSABLE FEATURES	DESCRIPTION
X2-6400G-LIC-D	De-duplication license
X2-6400G-LIC-G	GTP correlation license

WARRANTY AND MAINTENANCE	DESCRIPTION
X2-6400G-WAR-1YR	X2-6400G extended warranty — 1 year
X2-MAIN-1YR	X2-6400G extended maintenance — 1 year (software updates, professional support)



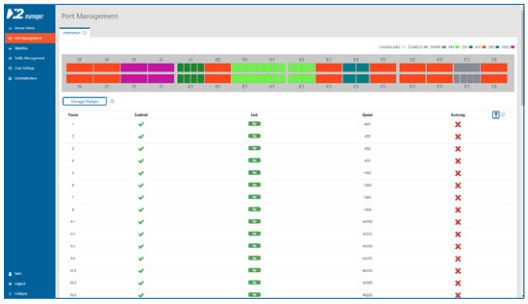
X2 manager

X2-Manager is a web-based interface integrated in every X2-6400G unit, allowing easy access to the configuration and monitoring of X2-6400G settings and behavior from any OS or platform.



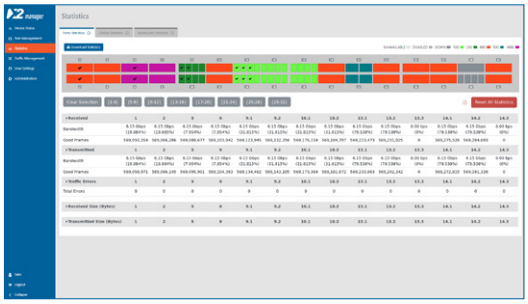
DEVICE STATUS

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.



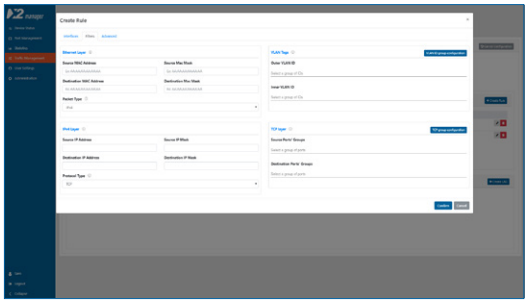
PORT MANAGEMENT

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.