

NetProbe 10G

Data Aggregation and Processing Unit



Product Description

NetProbe 10G is a network tapping device, dedicated to interception, inspection and filtering of IP traffic sent over fiber optic lines (passive connection via splitters). It can be used in applications such as network monitoring and lawful interception or work with various databases as a highly efficient data acquisition device. In order to carry out these tasks the NetProbe 10G is equipped with 20 x 10GbE network monitoring interfaces (in 2RU casing), hardware Deep Packet Inspection (DPI) technology and supports up to 24 Blade Server DPI+ internal modules. DPI enables identification and filtering of the first 128 bytes of data in each packet of IP flow according to predefined rules, whereas Blade Server DPI+ modules expand this functionality allowing full packet inspection and modification in real time. The filtered data stream, forwarded through 20 x 2-way 10GbE interfaces, can be evaluated by following data processing system without jamming it with unwanted traffic.

NetProbe 10G will be available for sale in Q3 2015.

Product Benefits

- Up to 880 Gbps real-time interception and analysis of 10G data streams.
- Full packet capture (FPC) functionality.
- Hardware Deep Packet Inspection (DPI) and DPI+ (full packet inspection and modification).
- Blade Server DPI+ functionality - full packet inspection and modification available for up to 120Gbps of filtered data in real time (covering ca. 60% of total switching capacity of NetProbe 10G).
- Customisable data filtering rules.
- Individual tagging of output streams according to user criteria (VLAN, QOS).
- 20 x 10GbE optical SFP+ ports for network monitoring (supporting 10 x 10GbE links).
- 20 x two-way 10GbE optical SFP+ ports for data forwarding
- 1 x 1GbE port for management.
- 2U casing to be installed in 19" racks.

Business Benefits

- Reduced cost of systems fed by the pre-filtered data stream.
- Low cost per port.
- Implementation of NetProbe 10G may noticeably reduce CAPEX and OPEX of network management, optimisation, monitoring and data acquisition activities

NetProbe 10G specification

Optical network interfaces (monitoring)	20 x 10GBASE-LR, SFP+ (supporting 10 x 10GbE links)
Forwarding / Management Interfaces	20 x 10GBASE-LR, SFP+ 1 x 10/100/1000BASE-T
Other interfaces	1 x ETH, RS232 (console)
Supported fiber type	Singlemode, 1310nm
LED signalling and LCD color display	Alarm status System status Statistics Temperature
Dimensions	Width: 435mm (482mm with 19" RACK mounts) Height: 89mm (2U) Depth: 490mm
Weight	14kg
Operating temperature	0° ÷ +50°
Storage temperature	-10° ÷ +55°
Humidity	98%
Maximum power consumption	400W
Power supply	230 VAC or 48VDC 1+1 parallel hot-plug redundant configuration
Ventilation	high speed fans (up to 15.000 rpm) 2 power supply integrated fans
Switching Capacity	880Gbps
Forwarding rate	476Mpps
Analysed data in each packet	128 bytes
Blade Server DPI+ data analysis and modification	Full packet
Monitoring	Layers: L2-L7
User interface	Telnet
Firmware update	FTP

