

DGT RMP PLATFORM

REAL-TIME MULTICORE DATA PROCESSING



Product Description

DGT RMP PLATFORM 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 DGT RMP PLATFORM is equipped with 20 x 10 GbE network monitoring interfaces (in 2RU casing), hardware Deep Packet Inspection (DPI) technology and supports up to 24 Blade Server DPI+ internal modules.

Single Blade Server DPI+ is equipped with a 1.6 GHz, 4-core processor and can be fitted with 4 or 8 GB DDR3 RAM. It also has preinstalled Embedded LINUX OS allowing integration of third-party analysing software.

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 10 GbE interfaces, can be evaluated by following data processing systems without jamming them with unwanted traffic.

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 120 Gbps of filtered data in real time.
- Customisable data filtering rules.
- Individual tagging of output streams according to user criteria (VLAN, QOS).
- 20 x 10 GbE optical SFP+ ports for network monitoring (supporting 10 x 10 GbE links).
- 20 x two-way 10 GbE optical SFP+ ports for data forwarding
- 1 x 1 GbE 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 DGT RMP PLATFORM may noticeably reduce CAPEX and OPEX of network management, optimisation, monitoring and data acquisition activities.

DGT RMP PLATFORM specification:

Optical network interfaces (monitoring)	20 x 10GBASE-LR, SFP+ (supporting 10 x 10GbE links)
Forwarding / Management interfaces	20 x 10GBASE-LR, SFP+ 1x 10/100/1000BASE-T
Other interfaces	RS232 (console)
Supported fiber type	Singlemode, 1310 nm
LED signalling and LCD color display	· Alarm status · System status · Statistics · Temperature
Dimensions	Width: 435 mm (482mm with 19" RACK mounts) Height: 89 mm (2U) Depth: 490 mm
Weight	14kg
Operating temperature	0°C ÷ +50°C
Storage temperature	-10°C ÷ +55°C
Humidity	98%
Maximum power consumption	900 W
Power supply	· 1+1 parallel hot-plug redundant configuration · 230 VAC or 48 VDC
Ventilation	· 4 automatically adjustable high speed fans (up to 11.000 rpm) · 2 power supply integrated fans
Switching Capacity / Total system performance	880 Gbps
Forwarding rate	476 Mpps
Analyzed 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
Blade Server DPI+ specification	· Armada XP 1.6GHz 4-core processor · 4 or 8 GB DDR3 S0-DIMM RAM module · Single BS DPI+ module data throughput – up to 5 Gbps

