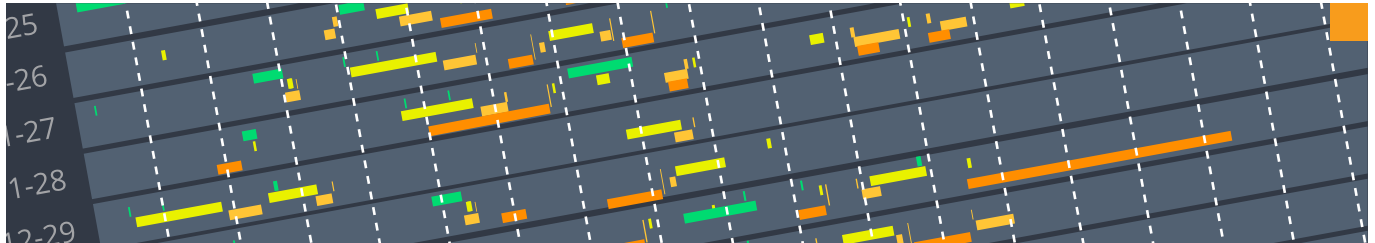# GeNiJack

Integrated Hardware Endpoint for GeNiEnd2End Network

GeNiJack 201, GeNiJack 302 and GeNiJack 402 are new integrated GeNiEnd2End Hardware Endpoints for NETCOR's GeNiEnd2End 24/7 end-to-end service monitoring software. It is very easy to deploy the GeNiJacks into the network to deliver End-to-End active performance monitoring and analysis of Triple Play network traffic. Under the control of the web based GeNiEnd2End network management and reporting solution the GeNiJacks monitor permanently the QoS and QoE performance metrics of Triple Play applications. In case predefined thresholds are exceeded, an alarm is generated for early problem detection.

Centralized web-based management of packet capturing
The powerful GeNiJack 302 with its two and GeNiJack 402 with its four network interfaces extend the field of application with the capability to capture data packets for in depth network and application trouble-shooting. Coordinated via GeNiEnd2End multi-tier packet captures can be configured centrally and for intermittent applications problems external Wireless/LTE Network Adapters can be connected via USB 3.0. In case of multi-tier-packet capturing, the multiple trace files are brought together by GeNiEnd2End MultiTrace and in combination with a multi-segment analysis tool network-tier visibility is provided to isolate performance incidents in complex IT environments.

GeNiJack 302 with
three RJ45 ports and Wi-Fi

GeNiJack 201 with two
RJ45 ports and one SFP port

GeNiJack 402 with two
10G Fiber SFP cages

End-to-End Quality-of-Service verification test point
A key topic in Next Generation Networks is to ensure end-to-end Quality-of-Service (QoS) for Triple Play applications in multi-domain environments. GeNiJack 201, GeNiJack 302 and GeNiJack 402 are inexpensive test points to diagnose performance problems, which are caused by QoS related network configuration or network architecture design issues. Controlled by GeNiEnd2End Network, deployed GeNiJacks at QoS demarcation points validate the end-to-end QoS automatically. In case the QoS mechanism is malfunctioning, the network manager will be informed. With this approach QoS related performance problems are detected and assigned immediately without elaborate troubleshooting. This proactive end-to-end monitoring minimizes service degradations and saves costs.

	GeNiJack 201	GeNiJack 302	GeNiJack 402
Operating System	Linux		
Internal Storage	8 GB Flash	120 GB SSD	250 GB SSD
CPU	2x 1.6 GHz Marvell A388	4x 1.5 GHz Intel Celeron	6x 3.8 GHz AMD Ryzen 5
RAM	1GB	8GB	32 GB ECC
Network Interfaces	2x 10/100/1000 Base-T 1x 1G Fiber SFP cage	1x 10/100/1000 Base-T with PoE (802.3af) 2x 10/100/1000 Base-T Wi-Fi 802.11ac	2x 10G Fiber cage, inkl. 2x 1G/10G SR SFP+ 2x 10/100/1000 Base-T
Endpoint TCP throughput duplex	ca. 1,5 Gbit/s	ca. 4 Gbit/s	ca. 40 Gbit/s
Endpoint UDP throughput duplex	ca. 440 Mbit/s	ca. 2 Gbit/s	ca. 3 Gbit/s
USB ports	1x USB 3.0	2x USB 3.0 & 2x USB 2.0	4x USB 3.2 Gen1
Power adapter	100-240V 50-60 Hz		
Dimensions	130 mm (L) 65 mm (W) 28 mm (H)	112 mm (L) 84 mm (W) 34 mm (H)	393,2 mm (L) 430,0 mm (W) 43,5 mm (H)
Cooling	fanless	fanless	cooling fan

Benefits of GeNiJack
- Test point for automatic End-to-End QoS verification
- Compact endpoint with low power usage
- Cost-effective hardware endpoint for GeNiEnd2End
- Enterprise-wide web-based packet capturing

contact