

GeNiJack

Integrated Hardware Endpoint for GeNiEnd2End Network



GeNiJack 201, GeNiJack 302 and GeNiJack 401 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.



GeNiJack 302 with three RJ45 ports and Wi-Fi



GeNiJack 201 with two RJ45 ports and one SFP port



GeNiJack 401 with two RJ45 ports and two SFP ports

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 401 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.

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

Centralized web-based management of packet capturing

The powerful GeNiJack 302 with its two and GeNiJack 401 with its four network interfaces extend the field of application with the capability to capture data packets for in depth network and application troubleshooting. 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 201	GeNiJack 302	GeNiJack 401
Operating System	Linux		
Internal Storage	8 GB Flash	120 GB SSD	120 GB SSD
CPU	2x 1.6 GHz Marvell A388	4x 1.5 GHz Intel Celeron	4x 2.2 GHz Intel Xeon
RAM	1GB	8GB	16 GB
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 10/100/1000 Base-T 2x 10G Fiber SFP cage
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	2x USB 3.0
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)	224 mm (L) 265 mm (W) 42 mm (H)
Cooling	fanless	fanless	cooling fan