



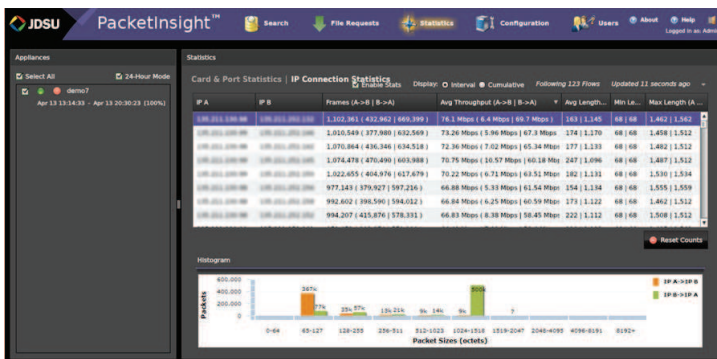
PacketInsight™

Identify → Extract → Analyze

PacketInsight captures Ethernet frames with both control and user plane at data rates approaching 40 G without any packet loss and writes them to disk while indexing them in real time. Users can perform historical analysis on the captured data as indexing occurs using the JDSU Signaling Analyzer (SART), JDSU Network Analyzer (NA), JDSU Triple Play Analyzer (TPA) applications, or in Wireshark.

Further complementing these advances is the ability to use a powerful search engine that delivers end-user “data/sessions/calls” for detailed root-cause analysis. Using PacketInsight with 3G UMTS and 4G LTE enables access to the control plane signaling to enrich the indexing of the user plane.

- For 3G UMTS wireless networks, PacketInsight captures the user-plane data from the packet core and indexes it for retrieval using IMSI, IMEI, MSISDN, and IP address searches
- For LTE wireless networks, PacketInsight captures the user plane data from the evolved packet-core interfaces and indexes it for retrieval using IMSI, IMEI, MSISDN, and IP address searches
- Data from both wireline and wireless IP interfaces can be retrieved using IP addresses, port numbers, protocol types, and VLANs. At-a-glance IP traffic statistics are updated every minute



Today's network operators and equipment manufacturers will benefit from its lightning-fast search and retrieval capabilities which are critical during troubleshooting and root-cause analysis.

Key Benefits and Features

- Real productivity and organizational efficiency enhancement with faster time to meaningful results via our high-performance search engine
- 3 times the capture, faster search and extraction performance of similar solutions at less cost
- Flexibility and protection of investment of an open architecture via customers ability to use any application for data/results analysis
- Industry-leading packet capture approaching 40 G line rate
- High-speed indexing for wireless (UMTS/LTE) and wireline networks
- Simultaneously captures all network data to disk
- Supports end-to-end tracing and KPIs in conjunction with SART
- High-performance search engine that reduces the time to get to meaningful results
- Complements JDSU Analyzer tools and XML applications
- Web-based, easy-to-use graphical user interface
- Open API provides remote-control capabilities, query manipulation, and data retrieval

Applications

- Trouble-ticket resolution
- VIP customer troubleshooting
- IP traffic capture and troubleshooting
- Packet core analysis for UMTS and LTE
- RAN analysis for LTE
- Third-party XML and queries
- Traffic analysis interworking with SART

Specifications

	Server (including 20 x 2 TB drives)	Optional Expansion Modules
Weight	57 kg (125 lb)	40TB, 50 kg (111 lb) 90TB, 65 kg (142 lb)
Dimensions (H x W x D)	178 x 437 x 660 mm (7 x 17.2 x 26 in)	178 x 437 x 699 mm (7 x 17.2 x 27.5 in)
Power Supply	1000W output @ 100 – 140V, 11.5 – 8 A, 50 – 60 Hz 1200W output @ 180 – 240V, 8 – 5.5 A, 50 – 60 Hz Std. telco –48VDC	1100W output @ 100 – 140V, 13.5 – 9.5 A, 50 – 60 Hz 1400W output @ 180 – 240V, 9.5 – 7.0 A, 50 – 60 Hz Std. telco –48VDC
Operating Environment Operating temperature range Non-operating temperature range Humidity range Non-operating humidity range	10 to 35°C (50° to 95°F) –40 to +70°C (–40° to 158°F) 8 – 90% non-condensing 5 – 95% non-condensing	
Regulatory (power supply)	USA – UL listed, FCC EN 60950/IEC 60950-compliant	

Ordering Information

Hardware Options

Base servers do not include SFPs or SFP+s. All items include a 1-year warranty.

Storage

Capacity (TB)	Description	Part Number
40	Base server	J8910A-1AC
40	Base server	J8910A-1DC
80	Expansion module	J8961A-1AC
80	Expansion module	J8961A-1DC
120	Expansion module	J8962A-1AC
120	Expansion module	J8962A-1DC

Capture Cards

Ports	Part Number
4 x 1 G	J9051A
2 x 10 G	J9052A

Software Options

Description	Part Number
Mobile/wireless: packet core IMSI/IMEI/MSISDN tracker (for LTE S5 and UMTS Gn interfaces)	J8931A
Mobile/wireless: radio access network IMSI/IMEI/MSISDN tracker (for LTE S1U/S11 interfaces)	J8932A
PacketInsight XML API support	J8933A
Signaling Analyzer (SART) Real-Time control plane/user plane statistics feed	J8934A



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