

Packet Monitoring Solutions

A range of packet monitoring solutions benefiting from hardware acceleration for commercial and homeland security. To monitor, filter, groom and extract data from mixed traffic 10-100G Ethernet and SDH/SONET core telecoms networks.

KEY FEATURES

- Packet acceleration hardware
 - Pre-filtering engine reduce and load balance data flows in DPI processing
- Packet Probe
 - Complete integrated solution for LI
 - Cellular data and packet telephony support
- Packet Extractor
 - Access packet data over SDH/SONET or Ethernet and pre-filter monitored traffic
- Designed for use with Ethernet and SDH/SONET (1G, 10G, 40G & 100G) packet networks

KEY BENEFITS

- Hardware acceleration by pre-filtering allows full rate monitoring of 100G packet networks
- Independent from network pre-provisioning through use of continuous survey
- Reduce cost, power and footprint of monitoring solution

APPLICATIONS

- Lawful intercept and data retention
- Network survey and flow analysis
- Traffic management and flow control
- Network QoS assurance
- Fraud and intrusion detection
- Load distribution between servers

OTHER PRODUCTS OF INTEREST

Ask about our other monitoring products for:

- Fixed/cellular network TDM Interception
- Extraction and grooming of TDM data
- Monitoring Abis interfaces for location data

OVERVIEW

Extracting specific data from increasingly complex, multi-traffic converged networks presents scalability, provisioning and performance challenges to intelligence gathering agencies. Telesoft Technologies addresses these challenges with a family of 10G to 100G and SDH/SONET monitoring, filtering and grooming products that are able to capture specific packet types and data streams including T1/E1, VoIP, cellular data, e-mail and web traffic. Continuous auto-discovery simplifies provisioning, whilst hardware acceleration and direct routing of extracted traffic over LAN Ethernet reduce probe and application complexity.

The **Packet Probe** is a complete integrated solution that provides law enforcement and intelligence agencies with real-time, classified content from 10 to 100Gb and SDH/SONET core networks, delivered over an ETSI handover interface.

- Integrated complete solution for lawful interception
- Monitors high-capacity Ethernet and SDH/SONET
- Automatic survey and classification

The **Packet Extractor** provides system integrators with the means to massively reduce the unwanted traffic routed to IP Probes, enabling efficient use of expensive IP Probe assets.

- Highly scalable through the use of pluggable interface modules
- Extracted, classified content delivered over IP LAN
- Continuous survey, independent of network re-provisioning

MPAC-IP Monitoring Cards provide a specialist pre-filtering of 10Gb/s and SDH/SONET infrastructure for organizations developing deep packet inspection (DPI) solutions.

- Onboard n-tuple filters (IP address, TCP, UDP, ...)
- Onboard libpcap BPF filter support
- Onboard hardware based protocol parsing

