



IP Flow Probe

Monitor networks in real-time to diagnose network issues and maintain security with the ultra high performance IP Flow Probe

The Telesoft IP Flow Probe is a 1U appliance that generates unsampled flow statistics on traffic from 10Gbit/s, 100Gbit/s to 200Gbit/s. Instrumenting up to 150 Million concurrent flows at a churn rate of up to 1.5 Million active flows/s, enables the collection of flow statistics from ultrascale networks. The IP Flow Probe eliminates the inefficiencies and inaccuracies of sampling network data, by providing complete visibility of network behaviour and anomalies required for detection of advanced persistent threats.

Distributing flow records across multiple collectors using the universal standard IETF Internet Protocol Flow Information export (IPFIX) protocol allows existing collection and recording infrastructure to scale up to 10x10GbE, 20x10GbE or 200GbE networks, allowing you to accurately gather, process, compare and analyse network behaviour in real-time.

Intelligent load balancing across flow collectors reduces load and storage on a single collector instance, flow safe load balancing ensures duplex flows are forwarded to the same Collector for accurate and rapid analysis.

The Telesoft IP Flow Probe leverages Telesoft's proven FPGA technology to process packets at rates which are ordinarily limited by the throughput of existing CPU architectures. Allowing network operators to maintain bandwidth and avoid packet arrival congestion. The IP Flow Probe can terminate up to 20x10GbE for monitoring multiple 10Gbit/s trunks or up to 2x100GBASE-LR4 for 100Gbit/s trunks. The traffic monitoring interfaces work in passive mode and do not require any protocol handshake or keep alive in order to process incoming traffic, ensuring plug and play and seamless integration.

Key Features

200Gbps throughput	Secure, reliable performance regardless of packet arrival rate
Unsampled 1:1 IPFIX record generation	Complete visibility of network behavior and anomalies
Supports the latest IPFIX/Netflow/JSON export formats	Work with any industry standard IPFIX/Netflow/JSON collector
Flow safe load balancing of IPFIX/Netflow/JSON records to multiple collectors	Scale the number of collectors in load share pool as required
Available in a standard 1U chassis	Reduced OPEX, space and cooling

To find out more information about the IP Flow Probe or to request a datasheet, please contact us on **+44 (0) 1258 480880** or **sales@telesoft-technologies.com**