

# X3 GTP CORRELATION

## GPRS TUNNELING PROTOCOL TRAFFIC CORRELATION AND FILTERING

The X3-Series GTP Correlation models are purpose-built for GPRS Tunneling Protocol (GTP) traffic correlation and filtering.

GTP traffic correlation provides network engineers with valuable insights into mobile network performance, security, and user experience, enabling them to address issues and optimize network performance proactively.

The following filters can be applied:

- IMEI
- MSISDN
- IMSI prefix and IMSI suffix
- TEC
- Cell ID

With these filters, the X3-Series GTP Correlation device can identify the control traffic and provide the correlated control and data traffic through replication and session-aware load balancing.



## X3 GTP CORRELATION FEATURE HIGHLIGHTS

- Reliable correlation of subscriber sessions helps better understand network traffic patterns and identify potential issues that may impact network performance
- Identify potential security threats and vulnerabilities, such as malicious attacks or unauthorized access attempts over the GPRS Tunneling Protocol
- Correlated GTP traffic helps network engineers quickly isolate and troubleshoot issues, reducing mean time to repair (MTTR) and minimizing downtime
- Correlating GTP traffic helps ensure a positive user experience with network services by identifying and addressing performance issues that impact user satisfaction
- Scalability: easy traffic forwarding to multiple tools
- Reliability: purpose-built hardware for optimal performance
- L3-L4 filtering
- Aggregation
- Load balance traffic output based on subscriber (IMSI) information
- Up to 100 000 filters

## ORDER REFERENCES

ORDER REFERENCE	TYPE	PORTS	POWER SUPPLY
X3-880G-GC-AC	GTP Traffic Correlation	48 x 1G/10G, 4 x 40G/100G	100–240 VAC
X3-880G-GC-DC	GTP Traffic Correlation	48 x 1G/10G, 4 x 40G/100G	30–72 VDC
X3-440G-GC-AC	GTP Traffic Correlation	24 x 1G/10G, 2 x 40G/100G	100–240 VAC
X3-440G-GC-DC	GTP Traffic Correlation	24 x 1G/10G, 2 x 40G/100G	30–72 VDC

## TECHNICAL SPECIFICATIONS

<b>Management Interfaces</b>	1 x RS232 (RJ45), 1 x Gigabit Ethernet (RJ45)
<b>Management Method</b>	HTTP/HTTPS
<b>Dimensions (WxDxH)</b>	446 x 558 x 44 mm — 17.56 x 21.97 x 1.73 in
<b>Weight</b>	13.2 kg — 29.1 lb
<b>Power Consumption</b>	Max. 440 W
<b>MTBF</b>	161,485 hours
<b>Power Supply</b>	100–240 VAC or 36–72 VDC
<b>Power Redundancy</b>	Power module 1+1, hot swappable
<b>Fan</b>	Fan module 4+1, hot swappable
<b>Operating Temperature</b>	0–40°C — 32–104°F
<b>Relative Humidity</b>	10–90% non-condensing
<b>FEATURE</b>	
<b>Aggregation / Replication</b>	Any-to-any
<b>Load Balancing</b>	Subscriber based (IMSI)
<b>GTP Correlation Filters</b>	IMEI, MSISDN, IMSI prefix and IMSI suffix, TEC, Cell ID