Aster A-618e
Network Packet Broker

Technical Data Sheet

Microtel innovation

Product Description

10/100/1000 Mbps and 1/10 Gbps Packet Broker

Aster A-618e Packet Broker provides comprehensive packet brokering for **10/100/1000BASE-T** copper connectivity and **1/10 Gbps** optical links. Designed to support heterogeneous network environments, Aster A-618e provides the capability to **filter, aggregate and load balance** network traffic with a single device towards monitoring tools operating at **different speeds**.

Microtel Packet Brokers make monitoring and security tools more effective by providing access to network traffic across the infrastructure. **Blind spots are reduced**, giving monitoring and security tools **the visibility required to detect performance issues and security threats**.

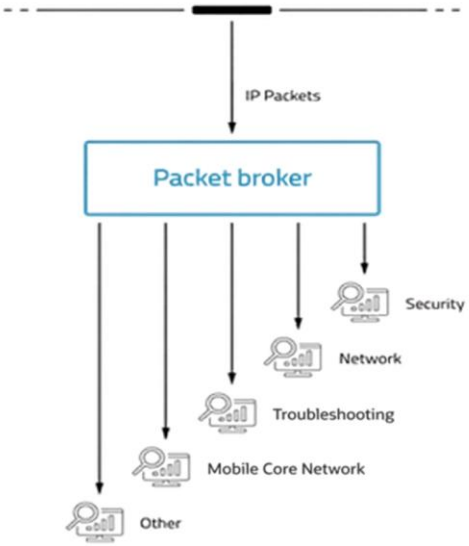


Highlights

- **Reduce CAPEX** by aggregating traffic from multiple TAPs or SPAN ports, reducing the number of monitoring tools required.
- **Deliver the right data to monitoring tools** with Layer 2–4 packet filtering and UDF-based filtering by offset matching.
- Enable service operators to **keep using their 1Gb/s monitoring tools** by adapting 10Gb/s traffic flows to the required output speed.
- Support **heterogeneous network environments** by combining **1/10Gbps** optical connectivity with **10/100/1000BASE-T** copper transceiver support.

Key features

- Input/output ports:
  - * Up to 16 input/output ports support SFP/SFP+ optical and copper transceivers
  - * Optical ports can be configured for simultaneous input and output
- Filtering and Aggregation:
  - * Filtering based on L2-L4 parameters
  - * User defined bytes UDB filtering, supported in the first 128 bytes of the packet
  - * Selective aggregation: Any to Any, Many to One, One to Many
- Load Balancing:
  - * Distribution of input traffic across output ports using a session-oriented Hash algorithm based on L2 MAC address, L3 IPv4 address and L4 UDP/TCP port parameters.
- VLAN Tagging:
  - * The device appends a VLAN ID to the packet header to identify which input port the packet has arrived from
- Management:
  - * GUI for local and remote management
  - * Real time statistics, counters and SNMP alarms
  - * TACACS+



Aster A-618e — Technical Specifications

Input/Output Capabilities	
Number of physical ports	16 cages, supporting SFP/SFP+ 1/10Gbps optical transceivers and 10/100/1000BASE-T copper transceivers
Performances	Switching Capacity: 320 Gbps
Management	
Management ports	10/100/1000BASE-T port, RJ45 connector
Protocols	IPv4, SNMPv2, SNMPv3, HTTPS, TACACS+
Statistics and Alarms	Real time statistics and counters for each input output ports SNMP Traps alarms

Aster A-618e — Ordering Information

Main chassis	A-618-FL-16GH (SFP/SFP+ not included)
Redundant power supply	PS1-3/160-AC or PS1-5/160-DC

Operating	Power	Dimensions	Regulatory
• Operating temperature: 0°C to 45°C (32°F to 113°F) • Operating Humidity: 10% to 95% non-condensing	• Redundant, load sharing, hot-swappable AC or 48V DC PSUs • Input voltage 100V to 240V AC, 40V to 60V DC. • Max power consumption: 150W	• Chassis 1U surface or 19" rack mount, (WxDxH): 483 mm x 440 mm x 44 mm • Weight 4 kg (8.8 lbs)	• CE