## Product Description

1/10Gb/s Packet Broker

Aster A-618/A-618T/A-620 are Microtel's packet brokers for **1/10Gb/s links,** providing the capability to **filter and aggregate network traffic** with a single tool, no matter if 1Gb/s or 10Gb/s interfaces are used, and to **load balance** towards the monitoring tools at different speeds.

Microtel Packet Brokers make monitoring and security tools more effective, by giving them access to a range of data from across the entire network. Blind spots are reduced, giving tools the visibility they need to identify and tackle performance and security threads.
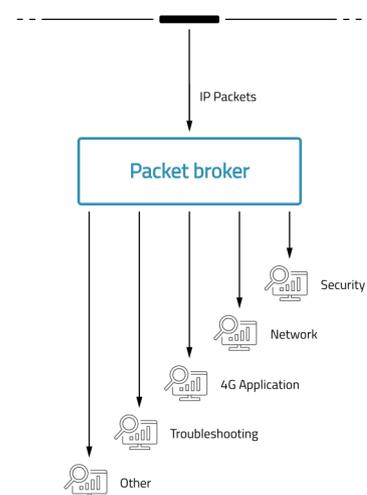
Aster A-618

Aster A-620

Aster A-618T

Key features

- **Input/output ports:**

    ∗ Up to 32x1/10Gb/s input/output ports, which can also be simultaneously configured as input and output,

    ∗ A-618T adds 2 single optical TAP links integrated in the main 1RU chassis:

        ◊ 1/10Gb/s speed

        ◊ Singlemode or multimode fiber

        ◊ 50/50, 60/40, 70/30, 80/20, 90/10 split ratio,

- **Filtering and Aggregation:**

    ∗ Filtering based on a variety of L2, L3, L4 header,

    ∗ 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 the input traffic to the output ports in a balanced way, using session oriented Hash algorithm, working on the following header parameters:

        ◊ L2 MAC address, L3 IPv4 address, L4 port UDP/TCP

- **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.
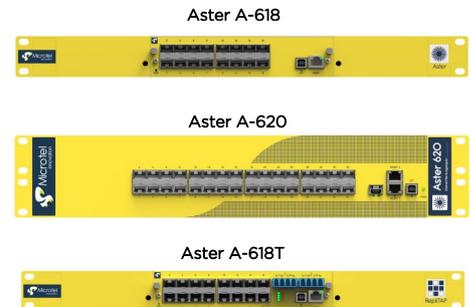
Highlights

- **Reduce CAPEX** as you may use fewer monitoring tools by aggregating the traffic coming from multiple TAPs or SPAN ports;

- **Feed the monitoring tools with the right data,** by filtering the network traffic up to L4 or using UDB filtering capabilities;

- Enable service operators to keep using their 1Gb/s monitoring tools by **adapting the speed** of 10Gb/s data links;

IP Packets

Packet broker

Security

Network

4G Application

Troubleshooting

Other

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Aster A-618, A-620, A-618T—Technical Specifications

	Aster A-618	Aster A-620	Aster A-618T
Input/Output Capabilities			
Number of 1/10Gb/s physical ports	Up to 16 to be equipped with SFP or SFP+	Up to 32, to be equipped with SFP or SFP+	Up to 16, to be equipped with SFP or SFP+, and 2 single
Management			
Management port	1x10/100/1000 Mb/s with RJ45 connector		
Protocols	IPv4, SNMPv1, HTTP		
Statistics and alarms	Real time statistics and counters for each input output ports		

Aster A-618, A-620, A-618T—Ordering Information

Main chassis (SFP/SFP+ not included)	A-618-FL-16GH (16 x 1/10Gb/s in/out ports fully licenced)	A-620-FL-32GH (32 x 1/10Gb/s in/out ports fully licenced)	A-618T-16GH-2Tsyzz (*) (16 x 1/10Gb/s in/out ports and 2 x single optical TAP
Licence to enable 1x1Gb/s in/out port	NA	NA	A-618T-L1G
Licence to enable 1x1/10Gb/s in/out port	NA	NA	A-618T-L1GH
Licence to upgrade 1 in/out port from 1Gb/s to 1/10Gb/s	NA	NA	A-618T-L1UGH
Licence to enable (12 or 24) x1Gb/s in/out port	NA	NA	A-618T-L12G
Licence to enable (12 or 24) x1/10Gb/s in/out port	NA	NA	A-618T-L12GH
Licence to upgrade (12 or 24) in/out port from 1Gb/s to 1/10Gb/s	NA	NA	A-618T-L12UGH
Redundant power supply AC or DC	PS1-3/160-AC or PS1-5/160-DC	PS2-3/460-AC or PS2-5/460-DC	PS1-3/160-AC or PS1-5/160-DC

Option s (speed): s=G=1G or s=H=10G ; option y (fiber): s=L=singlemode (9/125 Qm-OS1) or y= S=multimode (62.5/125 Qm-OM1) or y=F=multimode (50/125 Qm-OM3)   Option zz (split ratios): zz=55=50/50 or 64=60/40 or 73=70/30 or 82=80/20 or 91=90/10

Operating	Power	Dimensions A-620	Dimensions A-618/A-618T
• Operating temperature: 0°C to 45°C • Storage temperature: -10°C to 70°C • Operating Humidity: 10% to 95% non-condensing	• 220-110 Vac 50-60 Hz • 48 Vdc hot swap power module • Max consumption: (fully equipped) 350 W (A-620); 150 W (A-618	• Chassis 2U surface or 19" rack mount 483 mm W, 453 mm D, 88 mm H • Weight 7.5 kg (16.5 lbs)	• Chassis 1U surface or 19" rack mount 483 mm W, 440 mm D, 44 mm H • Weight: (fully equipped): 4 kg (8.8 lbs)

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