

Aster A-618, A-620, A-618T Network Packet Brokers

Technical Data Sheet

Microtel
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Product Description

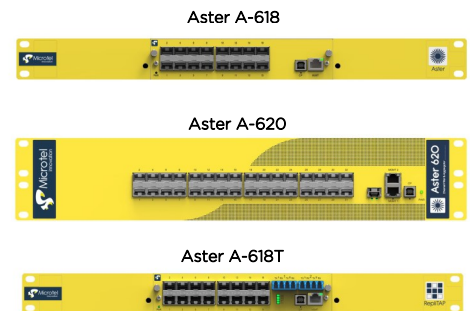
1/10Gb/s Packet Broker

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.

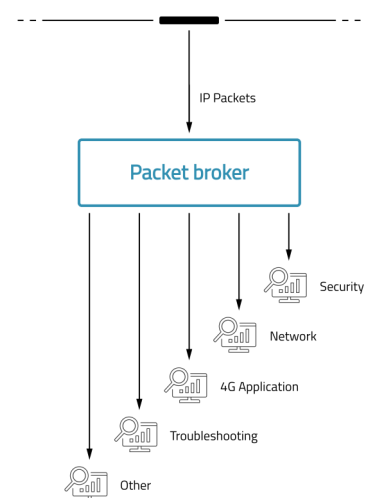
Key features

- **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;



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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 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+
Management			
Management port	1x10/100/1000Mb/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-B1-16GH (16 in/out ports)	A-620-B2-32GH (32 in/out ports)	A-618T-B1-16GH-2Tsyzz (*) (16 in/out ports and 2xsingle optical TAP links integrated)
Licence to enable 1x1Gb/s in/out port	A-618-L1G	A-620-L1G	A-618T-L1G
Licence to enable 1x1/10Gb/s in/out port	A-618-L1GH	A-620-L1GH	A-618T-L1GH
Licence to upgrade 1 in/out port from 1Gb/s to 1/10Gb/s	A-618-L1UGH	A-620-L1UGH	A-618T-L1UGH
Licence to enable (12 or 24) x1Gb/s in/out port	A-618-L12G	A-620-L24G	A-618T-L12G
Licence to enable (12 or 24) x1/10Gb/s in/out port	A-618-L12GH	A-620-L24GH	A-618T-L12GH
Licence to upgrade (12 or 24) in/out port from 1Gb/s to 1/10Gb/s	A-618-L12UGH	A-620-L24UGH	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
<ul style="list-style-type: none"> Operating temperature: 0°C to 45°C Storage temperature: -10°C to 70°C Operating Humidity: 10% to 95% non-condensing 	<ul style="list-style-type: none"> 220-110 Vac 50-60 Hz 48 Vdc hot swap power module Max consumption: (fully equipped) 350 W (A-620); 150 W (A-618) 	<ul style="list-style-type: none"> Chassis 2U surface or 19" rack mount 483 mm W, 453 mm D, 88 mm H Weight 7.5 kg (16.5 lbs) 	<ul style="list-style-type: none"> Chassis 1U surface or 19" rack mount 483 mm W, 440 mm D, 44 mm H Weight: (fully equipped): 4 kg (8.8 lbs)