

# Aster A-630C Network Packet Broker

Technical Data Sheet

Microtel  
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## Product Description

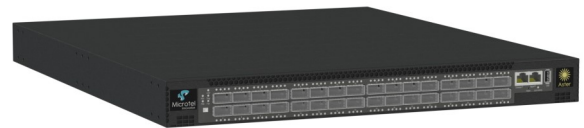
### 10/25/40/100Gb/s Packet Broker

Aster A-630C Packet Broker provides a **comprehensive Network Packet Brokering for 10Gb/s, 25Gb/s, 40Gb/s and 100Gb/s** network Ethernet ports. With Aster A-630C, the Microtel Innovation Aster Packet Broker family is now ready for all different interfaces data speed, also managing mixed configurations.

Designed with a 1U box, Aster A-630C provides the capability to interface network traffic with a single device, **no matter if 10Gb/s, 25Gb/s, 40Gb/s or 100Gb/s interfaces are used**, and to **aggregate, filter and load balance** towards the monitoring tools at different speeds.

## Key features

- **Input/output ports:**
  - \* 10Gb/s, 25Gb/s, 40Gb/s and 100Gb/s visibility in 1U form factor
  - \* 32 cages are available, each one can to be used as 1x100Gb/s, 25Gb/s, 1x40Gb/s or 4x10Gb/s as needed
  - \* 3.2 Tb/s Switching Capacity
- **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
  - \* Inner IP filtering (IPV4, IPV6)
  - \* Selective aggregation: Any to Any, Many to One, One to Many
  - \* Load Balancing
- **L2GRE/NVGRE tunnel encapsulation and decapsulation**
- **Management:**
  - \* GUI for local and remote management
  - \* Real time statistics, counters and SNMP alarms



Aster A-630C

## 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;
- **Deliver traffic to virtual probes**, using GRE tunnel encapsulation capabilities
- Enable Service Providers to keep using their 10Gb/s monitoring tools, **by adapting the speed** of 40Gb/s and 100Gb/s data links
- **Unify virtual and physical visibility**, by decapsulating GRE virtual traffic and forwarding it to the existing monitoring tool farm
- **Easy to order**, all ports enabled, no additional licences needed

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## Aster A-630C – Technical Specifications

Input/Output Capabilities	
<b>Number of physical ports</b>	32x100Gb/s, each one to be used as 1x100Gb/s, 1x40Gb/s, 4x25Gb/s or 4x10Gb/s
<b>Performances</b>	Switching Capacity: 3.2 Tb/s Jumbo frames support, up to 9216 Bytes
<b>Management</b>	
<b>Management ports</b>	1x10/100/1000Mb/s with RJ45 connector
<b>Protocols</b>	IPv4, Ipv6, SNMPv2, HTTPS, TACACS+
<b>Statistics and Alarms</b>	Real time statistics and counters for each input output ports SNMP alarms

## Aster A-630C – Ordering Information

<b>A-630C-FL-32C/AC</b>	NPB: 1RU Chassis, 32 x 40/100G in/out ports fully licenced. Redundant power supply AC. (QSFP+/QSFP28 not included)
<b>A-630C-FL-32C/DC</b>	NPB: 1RU Chassis, 32 x 40/100G in/out ports fully licenced. Redundant power supply DC. (QSFP+/QSFP28 not included)
<b>QSFP+-SR/M-4</b>	QSFP+ SR4 - 40G Parallel Fiber - Multi-Mode (850nm) with MPO/MTP connector
<b>QSFP+-LR/M-4</b>	QSFP+ LR4—40G Parallel Fiber - Single-Mode (1310nm) with MPO/MTP connector
<b>QSFP28-SR/M-4</b>	QSFP28 for 100G Parallel Fiber - Multi-Mode (850nm) with MPO/MTP connector
<b>QSFP28-PSM4/M-4</b>	QSFP28 for 100G Parallel Fiber - Single-Mode (1310nm) with MPO/MTP connector
<b>QSFP28-LR4/L</b>	QSFP28 for 100G LAN-WDM - Single-Mode (1310nm) with LC connector
<b>CML-14-3-MM-2m</b>	Breakout cable MTP/MPO connector (Female) to LC connectors 4 x 10G or 4 X 25G (Male). Multi-Mode 850nm, OM3, 50/125 um, 2m lenght
<b>CML-14-4-MM-2m</b>	Breakout cable MTP/MPO connector (Female) to LC connectors 4 x 10G or 4 X 25G (Male). Multi-Mode 850nm, OM4, 50/125 um, 2m lenght
<b>CML-14-SM-2m</b>	Breakout cable MTP/MPO connector (Female) to LC connectors 4 x 10G or 4 X 25G (Male). Single-Mode 1310nm, OS2, 9/125 um; 2m lenght

Operating	Power	Dimensions	Regulatory
<ul style="list-style-type: none"> <li>Operating temperature: 0°C to 45°C (32°F to 113°F)</li> <li>Storage temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Humidity: 5% to 95% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>Redundant, load sharing, hot-swappable AC or -48VDC PSUs</li> <li>Input voltage 90 to 240VAC at 50-60Hz,-36 to -72VDC Typical power consumption: 350 W</li> <li>Max power consumption: 350W without pluggable optics</li> <li>Field serviceable cooling</li> </ul>	<ul style="list-style-type: none"> <li>Chassis 1U surface or 19" rack mount, (WxDxH): 43.8*51.5 *4.35 cm (17.3* 20.3*1.7 in)</li> <li>Weight 10 kg (23 lbs)</li> </ul>	<ul style="list-style-type: none"> <li>FCC Class A</li> <li>CE</li> <li>Safety: CB, EN60950, UL/CUL</li> <li>RoHS-6 compliant</li> </ul>