

Aster A-660C Network Packet Broker

Technical Data Sheet

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Product Description

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

Aster A-660C Packet Broker provides a **comprehensive Network Packet Brokering for 10Gb/s, 25Gb/s, 40Gb/s and 100Gb/s** network Ethernet ports. With Aster A-660C, the Microtel Innovation Aster Packet Broker family is now ready for all different interfaces data speed, also managing mixed configurations.

Designed with a 2U box, Aster A-660C 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 2U form factor
 - * 64 cages are available, each one can be used as 1x100Gb/s, 1x40Gb/s, 4x25Gb/s and 4x10Gb/s (Max. 16 cages for 25Gb/s and 10Gb/s)
 - * 6.4 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

Aster A-660C



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 10Gb/s monitoring tools by **adapting the speed** of 40Gb/s and 100Gb/s data links;
- **Interface 40Gb/s and 100Gb/s data links** that service providers more and more are deploying to cope with the ever growing mobile traffic;
- **Unify virtual and physical visibility**, by decapsulating GRE virtual traffic and forwarding it to the existing monitoring tool farm;
- **Deliver traffic to virtual probes**, using GRE tunnel encapsulation capabilities.

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Aster A-660C – Technical Specifications

Input/Output Capabilities	
Number of physical ports	64x100Gb/s cages, each one to be used as 1x100Gb/s, 1x40Gb/s, 4x25Gb/s or 4x10Gb/s Max. 16 cages to host 4x25Gb/s and 4x10Gb/s ports
Performances	Switching Capacity: 6.4 Tb/s Jumbo frames support, up to 9216 Bytes
Management	
Management ports	1x10/100/1000Mb/s with RJ45 connector
Protocols	IPv4, Ipv6, SNMPv2, HTTPS, TACACS+
Statistics and Alarms	Real time statistics and counters for each input output ports SNMP alarms

Aster A-660C – Ordering Information

A-660C-FL-64C/AC	NPB: 2RU Chassis, 64 x 40/100G in/out ports fully licenced. Redundant power supply AC. (QSFP+/QSFP28 not included)
A-660C-FL-64C/DC	NPB: 2RU Chassis, 64 x 40/100G in/out ports fully licenced. Redundant power supply DC. (QSFP+/QSFP28 not included)
QSFP+-SR/M-4	QSFP+ SR4 - 40G Parallel Fiber - Multi-Mode (850nm) with MPO/MTP connector
QSFP+-LR/M-4	QSFP+ LR4—40G Parallel Fiber - Single-Mode (1310nm) with MPO/MTP connector
QSFP28-SR/M-4	QSFP28 for 100G Parallel Fiber - Multi-Mode (850nm) with MPO/MTP connector
QSFP28-PSM4/M-4	QSFP28 for 100G Parallel Fiber - Single-Mode (1310nm) with MPO/MTP connector
QSFP28-LR4/L	QSFP28 for 100G LAN-WDM - Single-Mode (1310nm) with LC connector
CML-14-3-MM-2m	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
CML-14-4-MM-2m	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
CML-14-SM-2m	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"> Operating temperature: 0°C to 45°C (32°F to 113°F) Storage temperature: -40°C to 70°C (-40°F to 158°F) Operating Humidity: 5% to 95% non-condensing 	<ul style="list-style-type: none"> Redundant, load sharing, hot-swappable AC or -48VDC PSUs Input voltage 90 to 240VAC at 50-60Hz, -36 to -72VDC Typical power consumption: 650W Max power consumption: 850W without pluggable optics Field serviceable cooling 	<ul style="list-style-type: none"> Chassis 2U surface or 19" rack mount, (WxDxH): 43.8*58.0 *8.8 cm (17.2 x 22.8 x 3.5 in) Weight 14.11 kg (31.1 lb) 	<ul style="list-style-type: none"> FCC Class A CE Safety: CB, EN60950, UL/CUL RoHS-6 compliant