

# 100GE High Density Advanced Packet Processor

## Highest Density Multi-Speed 100GE Advanced Packet Processing Solution for Network Visibility

### The Most Scalable Network Visibility Solution in The Industry Just Got Better

As networks and monitoring systems grow, you need a visibility solution that lets you scale when you upgrade, expand or add tools.

The 12-port multi-speed 100GE line card for use with the Vision 7300/7303 Chassis family gives you the ultimate in expandability and flexibility.

### Highlights

- Boost your Vision 7300 with the High Density 100GE line card
- Industry's only solution with multi-speed capable architecture
- Suitable for scale out data centers and service provider networks
- Built-in advanced packet processing
- Advanced packet processing resources are sharable among cards in the same chassis
- Connect tools at different speeds with networks running at higher speeds on the same card



### Key Features:

- Massively scalable with 12 QSFP28 ports per card, up to 72 ports per system
- High performance with 400Gbps of on-board AFM packet processing capacity
- Unmatched capacity with 2.4Tbps of packet processing per system
- Share the power of on-board AFM packet processing with other cards in the system
- Only packet broker that is capable of 5 speeds (10/25/40/50/100GE)
- Each QSFP28 port can support 1 x 100GE/40GE, 2 x 50GE, 4 x 25GE and 4 x 10GE
- Incredibly flexible with each QSFP28 port capable to run at any of the speeds



## Specifications

General Specifications	
<p><b>Performance and Capabilities</b></p> <ul style="list-style-type: none"> <li>All ports are bidirectional and fully non-blocking when filtering remains on the QSFP28 card</li> <li>3-Stage Network, Dynamic and Tool port filtering</li> <li>Patented Filter Compiler to resolve overlap</li> </ul>	<p><b>Multi-Speed Support (Per Card, Per Port)</b></p> <ul style="list-style-type: none"> <li>1 x 100G QSFP28, SR4, LR4</li> <li>4 x 10GE with break-out cable with QSFP+</li> </ul>
System Capacity	
<p><b>Speed and Port Density</b></p> <ul style="list-style-type: none"> <li>100G – 72 ports</li> <li>10G – 288 ports</li> </ul>	<p><b>Advanced Feature Module</b></p> <ul style="list-style-type: none"> <li>400Gbps of packet processing per card</li> <li>2.4Tbps of packet processing per system</li> <li>Advanced processor is shareable with other 10GE/40GE cards</li> </ul>
Physical Specifications	
<p><b>100G Line Card Size and Weight</b></p> <ul style="list-style-type: none"> <li>Height= 1.75"</li> <li>Width= 17.5"</li> <li>Depth= 15"</li> <li>Weight 14.2lbs</li> </ul>	<p><b>Power for Vision 7300 Option (DC)</b></p> <ul style="list-style-type: none"> <li>Operating input voltage: -40 to -60VDC</li> <li>Nominal current: 4.15A @ -53VDC, 220W</li> <li>Maximum operating input current: 5.5A @ 40VDC, 220W max</li> <li>Heat/power dissipation for module at 100% traffic load: maximum 220W / 751 BTU/hour</li> </ul>
Operating Specifications	
<p><b>Temperature</b></p> <ul style="list-style-type: none"> <li>Operating: 5°C to 40°C</li> <li>Short-term*: -5°C to 55°C (*not to exceed 96 consecutive hours)</li> <li>Short-term* with fan failure: -5°C to 40°C (*not to exceed 96 consecutive hours)</li> </ul>	<p><b>Humidity</b></p> <ul style="list-style-type: none"> <li>Operating: 5% to 85%, (non-condensing)</li> <li>Short-term*: 5% to 90% (non-condensing, *not to exceed 96 hours)</li> </ul>

## Ordering Information

### **MOD-7300-IFMOD-12P-100G**

Ixia Vision 7300 family - 12 port 100G QSFP28 multi-speed module. Supports 10G/25G/40G/50G/100G port speeds. Requires port license to operate. Optionally add up to 400Gbps PacketStack (AFM) capabilities per card.

### **LIC-P7300-100G-12P**

Ixia Vision 7300 family - 12 port license (multi-speed) for MOD-7300-12P-C. Each port is enabled for 5-speed; 10G/25G/40G/50G/100G

### **LIC-P7300-100G-4P**

Ixia Vision 7300 family - 4 port license (multi-speed) for MOD-7300-IFMOD-12P-100G. Each port is enabled for 5-speed; 10G/25G/40G/50G/100G

### **LIC-P7300-100G-AFM200G**

Ixia Vision 7300 family - 200Gbps PacketStack (AFM) features license for MOD-7300-IFMOD-12P-100G. Includes PacketStack capability at up to 200Gbps on one MOD-7300-IFMOD-12P-100G module (per card).

### **LIC-P7300-100G-AFM400G**

Ixia Vision 7300 family - 400Gbps PacketStack feature license for MOD-7300-IFMOD-12P-100G. Includes PacketStack capability at up to 400Gbps on one MOD-7300-IFMOD-12P-100G module (per card).

Learn more at: [www.keysight.com](http://www.keysight.com)

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