

ARESONE-400GE TEST SYSTEM FOR NETWORKING VENDORS

FEATURE BRIEF

BUILD 400GE DEVICES WITH CONFIDENCE

THE RIGHT 400GE TEST SOLUTION AT THE RIGHT TIME

Your equipment can't be first to market if your test vendor isn't. Ixia, a Keysight company, builds its own intellectual property, like our 400GE MAC, PCS, and FEC engines, to enable the creation of unique features, keep pace with the development of new standards, and provide our customers with quick response time.

AresONE is the industry's most compact 8-port 400GE test solution. This 2 rack-unit fixed chassis has four times the density of any other test solution and supports QSFP-DD or OSFP pluggable interfaces. It runs IxNetwork, the industry's most powerful L2/3 protocol test software.

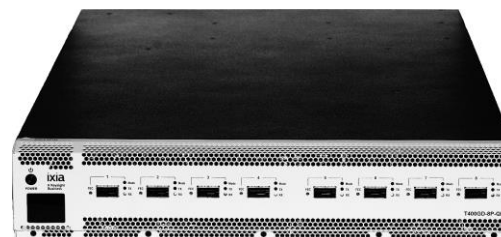
KEY FEATURES

- Line-rate 400Gbps packet generation, capture, and analysis of received traffic to detect and debug data transmission errors for multiple speeds, including 2x200GE, 4x100GE and 8x50GE per port
- Multi-rate speed option that includes 2x200GE, 4x100GE, and 8x50GE speed modes and fan-out support; these speed modes are compliant with IEEE 802.3cd draft specification
- New IxNetwork protocol bundles provide flexible pricing and licenses for fixed chassis systems
- Pay-as-grow field upgrades: Reduced and 4-port models may be upgraded to full-performance and/or 8-ports
- Line-rate, at all speeds with per-port and per-flow statistics with extensive BER measurements
- High-latency measurement resolution at 0.625ns at the 400GE speed and 1.25ns at 200GE
- RS-544 (KP4) Forward Error Correction (FEC) support for all speeds (400/200/100/50GE)



HIGHLIGHTS

- Validate high port count devices for performance, scalability, and interoperability with AresONE multi-speed 400/200/100/50GE test capabilities and Ixia's IxNetwork Layer 2/3 test application
- Get unique and powerful PCS Lanes and FEC BER measurements with Ixia-developed intellectual property for the critical elements of 400GE: MAC, PCS, and FEC
- Rely on a proven test solution for validating mission-critical network infrastructure—AresONE extends Ixia's field-hardened K400 400GE test solution



AresONE is designed to fit your test needs and budget with 4- and 8-port models and full- and reduce-performance feature sets

SPECIFICATION SUMMARY	ARESONE 8X400GE QSFP-DD FOR 4-PORT AND 8-PORT MODELS		ARESONE 8X400GE FAN-OUTS FOR 4-PORT AND 8-PORT MODELS	
Fixed Chassis	2RU, fixed chassis <ul style="list-style-type: none"> Center slide-rack mounted 110VAC or 220VAC Native IxOS Linux O.S. Synchronize with XGS chassis Star topology support for synchronizing up to 6 AresONE units in a cluster 		Fan-out supported for all models	
No. of Ports	<ul style="list-style-type: none"> 4-port model 8-port model 		<ul style="list-style-type: none"> 2x200GE 4x100GE 8x50GE 	
Model performance levels	<ul style="list-style-type: none"> Full Performance (8 and 4-port) Reduced Performance (8 and 4-port) All 4-port and Reduced Performance models may be field-upgraded in stages or up to 8-port Full Performance 		<ul style="list-style-type: none"> Full Performance Reduced Performance 	
No. of users	1 user per 400GE port: <ul style="list-style-type: none"> 4 users for 4-port model 8 users for 8-port model 		1 user per resource group: <ul style="list-style-type: none"> 4 users for 4-port model 8 users for 8-port model 	
Capture	1 MB per port		1MB (1 per Resource Group)	
No. of Tx streams per port	Full Performance <ul style="list-style-type: none"> 400GE: 128 	Reduced Performance <ul style="list-style-type: none"> 400GE: 32 	Full Performance <ul style="list-style-type: none"> 200GE: 64 100GE: 32 50GE: 16 	Reduced Performance <ul style="list-style-type: none"> 200GE: 32 100GE: 16 50GE: 8
Rx trackable flows	32K full stats		<ul style="list-style-type: none"> 200GE: 32K full stats 100GE: 4K full stats, 32K minimum stats 50GE: 4K full stats, 16K minimum stats 	
L2-3 Protocol Scale per port	Medium to high scale (consult sales team for specifics)		Medium scale (consult sales team for specifics)	

Learn more at: www.ixiacom.com

For more information on Ixia products, applications, or services, please contact your local Ixia or Keysight Technologies office.

The complete list is available at: www.ixiacom.com/contact/info

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