

# XRPI ACTIVE MONITORING PROBE

DATA SHEET

## NETWORK AND APPLICATION PERFORMANCE ASSESSMENT AND MONITORING DEMARCATION HARDWARE

Voice over IP (VoIP), unified communications (UC), streaming video, and other real-time business applications rely on superior network performance. But most enterprises don't have the tools to measure and report how well those applications, and the networks they rely on, are running.

IT and network management groups can now get instant visibility into network health and user quality of experience (QoE) by actively injecting real traffic into the network and measuring response times. You can rely on Ixia's proven and simple-to-use XRPI endpoints to get reports on the actual performance of your business applications and Wi-Fi connectivity.

With easy setup and remote management, the XRPI quickly integrates into live network environments by working with:

- Ixia's IxChariot® for instant network assessment
- Ixia's Hawkeye™ for 24/7 active monitoring

### KEY FEATURES

- Field-ready: robust and fan-less, lightweight and highly portable
- Proven platform – powered by Raspberry Pi
- Wi-Fi interface, dual band
- Automatic and remote management out of the box with IxChariot or Hawkeye
- Probe-to-probe tests: UDP, TCP traffic, voice, video, traffic mixes
- User experience tests for web servers (HTTP/ HTTPS), DNS, cloud services (YouTube, Dropbox)
- Wi-Fi scanning and connectivity tests

### HIGHLIGHTS

- Runs Ixia's proven Hawkeye and IxChariot performance endpoints (PE)
- Works with other endpoints on Windows/Mac/Linux/Android/iOS
- Traffic generation for data and VoIP
- User experience metrics for web services and streaming video
- Wi-Fi metrics (scan)
- Wi-Fi connectivity test
- High performance with built-in Fast Ethernet port and external Wi-Fi dongle (included)
- More capabilities with remote updates

### Get a handle on the performance of all your business applications over LAN or Wi-Fi

- Great for monitoring many locations
- Central office, multiple floors, dense spaces, lobbies, remote sites
- Airport, retail stores, arenas, stadiums, mall



## SPECIFICATIONS

FEATURE	DESCRIPTION
<b>CPU Type</b>	Quad core 900Mhz ARM processor
<b>RAM</b>	1GB
<b>Storage</b>	8GB micro SD with operating system and data
<b>Operating System</b>	Linux based, supported by Ixia
<b>IO Interfaces</b>	4 USB, 1 full-size HDMI
<b>LAN</b>	One (1) 10/100Mbps Fast Ethernet port
<b>Wi-Fi</b>	One (1) Wi-Fi dongle with dual band 2.4/5Ghz, 802.11a/b/g/n
<b>Power</b>	On-board DC +5V 2A Micro USB ~650 mA, (3.0 W)
<b>International Use</b>	Power unit ships with various country-specific adaptors
<b>Console Access</b>	HDMI port for video, USB for keyboard
<b>Remote Access</b>	Enabled with secure telnet (ssh)
<b>Size and Weight</b>	92mm x 29mm x 67mm 3.63" x 1.13" x 2.63" 100g
SUPPORTED TRAFFIC PROTOCOLS	
<b>Protocols Available for Node-to-Node or One-Arm Tests</b>	TCP, UDP, RTP, HTTP, HTTPS, FTP, NTP, DNS, POP, SMTP, ICMP, IGMPv2, IGMPv3, DHCP, VoIP, HTTP-Video
PERFORMANCE	
<b>TCP Throughput</b>	Up to available line rate with built-in 10/100 Ethernet or Wi-Fi dongle
<b>UDP Throughput</b>	Up to available line rate with built-in 10/100 Ethernet or Wi-Fi dongle
<b>Voice Calls</b>	Up to 100 simultaneous calls
<b>Streaming Traffic (UC)</b>	Up to 100 simultaneous mixed voice/video calls
<b>Streaming Traffic (Video)</b>	Up to 85Mbps video traffic (best case)

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## ORDERING INFORMATION

### 940-0040

XRPI Active Hardware Endpoint; integrated hardware endpoint powered by Raspberry Pi (940-0040), for use with either IxChariot OR Hawkeye. Includes 10/100 LAN interface and Wi-Fi Dongle with dual band (2.4/5Ghz). 5V AC unit. Requires adjunct or previous purchase of IxChariot OR Hawkeye software licenses.

#### IXIA WORLDWIDE

26601 W. AGOURA ROAD  
CALABASAS, CA 91302

(TOLL FREE NORTH AMERICA)

1.877.367.4942

(OUTSIDE NORTH AMERICA)

+1.818.871.1800

(FAX) 818.871.1805

[www.ixiacom.com](http://www.ixiacom.com)

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#### IXIA EUROPE

CLARION HOUSE, NORREYS DRIVE  
MAIDENHEAD SL6 4FL  
UNITED KINGDOM

SALES +44.1628.408750

(FAX) +44.1628.639916

#### IXIA ASIA PACIFIC

101 THOMSON ROAD,  
#29-04/05 UNITED SQUARE,  
SINGAPORE 307591

SALES +65.6332.0125

(FAX) +65.6332.0127