

XRPi Active Monitoring Probe

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

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.

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

