

# IXVERIWAVE®—CHASSIS AND ACCESSORIES

## WORLD'S MOST COMPLETE WI-FI TEST SYSTEM

Ixia offers the world's most complete Wi-Fi test equipment including chassis, automation appliances, cables, and radio frequency (RF) connection equipment that allow the setup of isolated, stable, and repeatable test beds. Ixia Chassis are designed to house all IxVeriWave WaveBlades® and also provide line-rate backplane connection and ventilation and cooling for the blades. The Chassis come in both rack-mountable and portable-tabletop variants. Ixia's WaveChambers provide excellent RF characteristics with a high degree of isolation, in a compact form factor that is easily portable and yet extremely functional. With optional turntables, the solution can also be extended to test and improve device performance at different antenna orientations.

## IXVERIWAVE CHASSIS

For professional Wi-Fi testing, industrial-quality equipment is required. The IxVeriWave two-slot WT20 and nine-slot WT92 chassis power WaveBlades to produce extensive Wi-Fi benchmarking, extreme loading, and broad traffic mixes. Real-world testing requires reliable equipment that can scale to reflect today's Wi-Fi network use. IxVeriWave Chassis and WaveBlade solutions provide up to 500 concurrent Wi-Fi client simulations to test extensively Wi-Fi Networks.

## KEY FEATURES

- Automation –10x More Efficient
  - Hundreds of tests run unattended
  - Uninterrupted operation for extended periods of time
  - Complete control over large-scale deployment scenarios
- Cost of Ownership Minimized
  - Test time reduced from days to minutes
  - Test coverage increased
  - Bugs revealed early in the QA cycle

## HIGHLIGHTS

- Rack-mountable and portable chassis variants
- Automation – 10x more efficient
- Cost of ownership minimized
- Repeatability equals confidence
- Goes beyond conformance and interoperability
- Run long, scaled, control-plane soak and system stress tests
- Easily integrates into any automation framework
- Reduces test time
- Functional sanity test suites target specific controller/AP features

- Repeatability = Confidence
  - Get to the root cause and solve problems faster
  - Avoid pitfalls when testing with off-the-shelf clients
- Goes Beyond Conformance and Interoperability
  - Scales to thousands of stateful and independent clients
  - Quantifies real-world deployment scenarios
  - Stress tests complete wireless LAN (WLAN) networks



Ixia WT20 and WT92 Chassis

SPECIFICATIONS

	WT92	WT20
<b>Size</b>	<ul style="list-style-type: none"> <li>• Height: 17.5 inches (44.5 cm)</li> <li>• Width: 19.0 inches (48.3 cm)</li> <li>• Depth: 21.5 inches (54.5 cm)</li> </ul>	<ul style="list-style-type: none"> <li>• Height: 13.5 inches (34.3 cm)</li> <li>• Width: 5.6 inches (14.2 cm)</li> <li>• Depth: 21.5 inches (54.0 cm)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• Empty: 50.0 lbs (22.7 kg)</li> <li>• Fully loaded: 75.0 lbs (34.0 kg)</li> </ul>	<ul style="list-style-type: none"> <li>• Empty: 20.0 lbs (9.1 kg)</li> <li>• Fully loaded: 27.5 lbs (12.5 kg)</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>• Operating; 0° C to +40° C</li> <li>• Storage: -20° C to +70° C</li> </ul>	<ul style="list-style-type: none"> <li>• Operating; 0° C to +40° C</li> <li>• Storage: -20° C to +70° C</li> </ul>

	WT92	WT20
<b>Humidity</b>	<ul style="list-style-type: none"> <li>Operating: 20 % to 80% relative humidity</li> <li>Storage: +40° C at 95% relative humidity, non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>Operating: 20 % to 80% relative humidity</li> <li>Storage: +40° C at 95% relative humidity, non-condensing</li> </ul>
<b>Altitude</b>	<ul style="list-style-type: none"> <li>Operating: -1000 ft. to +6500 ft. (2000 meters)</li> <li>Non-operating: +40,000 ft.</li> </ul>	<ul style="list-style-type: none"> <li>Operating: -1000 ft. to +6500 ft. (2000 meters)</li> <li>Non-operating: +40,000 ft.</li> </ul>
<b>Vibration, random</b>	<ul style="list-style-type: none"> <li>Operating: 5 Hz to 500 Hz, 0.27 Grms</li> <li>Non-operating: 5 Hz to 500 Hz, 2.3G</li> </ul>	<ul style="list-style-type: none"> <li>Operating: 5 Hz to 500 Hz, 0.27 Grms</li> <li>Non-operating: 5 Hz to 500 Hz, 2.3G</li> </ul>
<b>Shock</b>	<ul style="list-style-type: none"> <li>20 G shock tolerance</li> </ul>	<ul style="list-style-type: none"> <li>20 G shock tolerance</li> </ul>
<b>WaveBlade Capacity</b>	<ul style="list-style-type: none"> <li>WaveBlade Management: One WaveBlade Management (WB1000) required in the management slot (left most slot in chassis)</li> <li>Traffic generator / RF WaveBlades: Up to 9 traffic generator WaveBlades</li> </ul>	<ul style="list-style-type: none"> <li>WaveBlade Management: One WaveBlade Management (WB1000) required in the management slot (left most slot in chassis)</li> <li>Traffic generator / RF WaveBlades: Up to 2 traffic generator WaveBlades</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>100/120/230 VAC, 18/14.9/7.7 A, 50/60 Hz</li> <li>Automatic line voltage selection</li> </ul>	<ul style="list-style-type: none"> <li>100/120/230 VAC, 4/3/2 A, 50/60 Hz</li> <li>Automatic line voltage selection</li> </ul>
<b>Airflow</b>	<ul style="list-style-type: none"> <li>Cool air enters at the bottom front and bottom sides</li> <li>Exhaust air exits the top rear</li> </ul>	<ul style="list-style-type: none"> <li>Cool air enters at the base</li> <li>Exhaust air exits at the top</li> </ul>
<b>Connectors</b>	<ul style="list-style-type: none"> <li>Network: Ethernet, RJ-45, 10/100/1000 Base-T LAN</li> <li>Sync In and Sync Out: RJ-45 connectors (Ixia Sync cable required)</li> <li>Off load ports (9) RJ45 Connectors, to back plane at each slot</li> <li>AC Power: IEC standard power cord connection</li> <li>External Connections: Other than mains power, all external connections are intended to be to non-hazardous circuits per the requirements of IEC 61010-1</li> </ul>	<ul style="list-style-type: none"> <li>Network: Ethernet, RJ-45, 10/100/1000 Base-T LAN</li> <li>Sync In and Sync Out: RJ-45 connectors (Ixia Sync cable required)</li> <li>Off load ports (2) RJ45 Connectors, to back plane at each slot</li> <li>AC Power: IEC standard power cord connection</li> <li>External Connections: Other than mains power, all external connections are intended to be to non-hazardous circuits per the requirements of IEC 61010-1</li> </ul>