

IxCatapult X800 and X100 Chassis

Performance, Flexibility, Scalability

Growing smartphone and mobile application use is driving a tremendous increase in the amount of signaling traffic traversing radio access and core networks. High signaling traffic loads and unexpected spikes will impact multiple interfaces in 3G and LTE networks, potentially overloading network elements to the point of causing large-scale outages.

The current surge in signaling traffic is being driven by:

- Smartphones generating up to twenty times the control-plane traffic generated by ordinary phones
- Unexpected spikes caused by poorly configured over-the-top applications, malicious hackers, and localized outages
- New revenue-generating services from mobile operators requiring increased interaction with charging and policy functions

Signaling involves the underlying communications that enable user authentication and authorization, mobility, charging, and billing, and policy management. To prevent unexpected, even debilitating surges from occurring, Ixia's X100 and X800 appliances provide a high-scale platform for testing 3G and 4G wireless network elements.

The X100 and X800 platforms feature a compact, 2U, small-footprint design, and are the premier solution for testing signaling and the control-plane interfaces of network elements that process huge volumes of mission critical control plane traffic—like subscriber databases, management entities, and controllers.

Highlights

Ixia's leading IxCatapult and MGTS products leverage the new X800 and X100 platforms to deliver the industry's most scalable solution for testing cellular wireless technologies including LTE, 3G, IMS, and SS7/SIGTRAN

On-Demand Performance, Flexibility, and Scalability

- X800 provides an all-IP multi-protocol, multi-user, high-performance platform
- X100 provides a multi-interface, multi-protocol, multi-user platform
- Support for 1 Gigabit Ethernet (GE) and 10GE interfaces
- Supported technologies
 - LTE – access and EPC
 - 3G – RAN and core network
 - IMS and VoIP
 - 2G, IN, SS7, SIGTRAN



X800: IP-Only Platform



X100: IP-Only 4-Slot Chassis Supports 1GE and 10GE Interfaces



Specifications

	X800	X100
Configuration	4 Node Multi-User	1 Node Multi-User
CPU Type	8 Intel Xeon 5600 Series Processors	2 Intel Xeon E5-2640 Series Processors
Total Memory Available	96 GB RAM	32 GB RAM
Total Hard Disk Available	2 TB (4x500 GB)	480 GB SSD
Number of Ports	8 Management 1GbE ports 8 USB Ports 8 1GE ports and 4 10GE ports (960-0333) or 16 1GE ports (960-0444)	1 Management 1Gb Ethernet ports 1 1GE Test Port included 2 USB Ports PCIe cards that support: <ul style="list-style-type: none"> • 1GE Ports • 10GE Ports

	X800	X100
Form Factor	2U Rackmount	
Mounting Rails	2U rail set, quick/quick, for 2U 17.2"W; the rail will fit a rack between 26.5" and 36.4" deep that follows the EIA industry standard keep-out zone	
Height	3.5" (89mm)	
Width	17.2" (437mm)	
Depth	28.5" (724mm)	17.7" (450mm)
Gross Weight	85 lbs (38.6kg)	43 lbs (19.5kg)
Description	Redundant high-efficiency power supply with PMBus	
AC Input	2 1400W: 180 - 240V, 50 - 60Hz, 7.2 - 9.5 Amp or 2 1200W: 100 - 140V, 50 - 60Hz, 10.5 - 14.7 Amp	2 700W: 100 - 240V, 60-50Hz, 10 - 4 Amp
DC Output, +5V standby	6 Amp	4 Amp
DC Output +12V	100 Amp @ 100-140V, 117 Amp @ 180-240V	58 Amp distribution: +5V 30 Amp, +3.3V 24 Amp, -12V 0.6 Amp
RoHS	RoHS Compliant	
Environmental Specification	Operating Temperature: 10°to 35°C (50°to 95°F) Non-operating Temperature: -40°to 70°C (-40°to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5 to 95% (non-condensing)	Operating Temperature: 5°to 35°C (41°to 95°F) Non-operating Temperature: -40°to 70°C (-40°to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5 to 95% (non-condensing)

Ordering Information

Part Number	Description
960-0333	X800 Wireless 2U Appliance, 4 profiled nodes (1GE)
960-0444	X800 Wireless 2U Appliance, 4 profiled nodes (1GE and 10GE)
960-0556	X100 Chassis, Wireless 2U Appliance
960-0888	1GE (4-ports) Card for X100 Chassis
960-0999	10GE (2-ports) Card for X100 Chassis

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