

IxCatapult X800 and X100 Chassis



Performance, Flexibility, Scalability

Growing smartphone and mobile application usage 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 the premier solution for testing signaling and the control-plane interfaces of network elements that process huge volumes of mission critical control plane traffic— subscriber databases, management entities, controllers, and the like.

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-GbE, ATM and JET interfaces
- Supported technologies
 - LTE – access and EPC
 - 3G – RAN and core network
 - IMS and VoIP
 - 2G, IN, SS7, SIGTRAN

X800: IP-Only Platform***X100: 4-Slot Chassis Supports 1-GbE, ATM and JET interfaces***

Specifications

	X800	X100
Configuration	4 Node Multi-user	1 Node Multi-user
CPU Type	8 Intel Xeon 5600 Series Processors	2 Intel Xeon 5600 Series Processors
Total Memory Available	96 GB RAM	24 GB RAM
Total Hard Disk Available	2 TB (4x500 GB)	500 GB SATA HDD
Number of Ports	8 Management 1GbE ports 8 USB Ports 8 1GbE ports and 4 10GbE ports (960-0333) OR 16 1GbE ports (960-0444)	2 Management 1Gb Ethernet ports 2 USB Ports PCIe cards that support: <ul style="list-style-type: none"> • 1-GbE Ports • 2 ATM Ports • 4 JET Ports
Form Factor	2U Rackmount	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	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)	3.5" (89mm)
Width	17.2" (437mm)	17.2" (437mm)
Depth	28.5" (724mm)	17.7" (450mm)
Gross Weight	85 lbs (38.6kg)	35 lbs (15.9kg)
Description	Redundant high-efficiency power supply with PMBus	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	57 Amp distribution: +5V 30 Amp, +3.3V 24 Amp, -12V 0.6 Amp
RoHS	RoHS Compliant	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: 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)

Ordering Information

Part Number	Description
960-0333	X800 Wireless 2U Appliance, 4 profiled nodes (1GbE)
960-0444	X800 Wireless 2U Appliance, 4 profiled nodes (1GbE and 10GbE)
960-0555	X100 Chassis, Wireless 2U Appliance
960-0666	ATM (2-ports) Card for X100 Chassis
960-0777	JET (4-ports) Card for X100 Chassis
960-0888	1-GbE (4-ports) Card for X100 Chassis