12 IXIA 400T v2 Chassis

This chapter provides details about Ixia 400 chassis—its specifications and features.

The IXIA 400 is shown in the following figure. The IXIA 400 chassis has 4 slots for Ixia Load Modules, but may also be used to support the high-powered load modules, including all OC192 and 10GE modules. The IXIA 400 Chassis is specifically designed to accommodate up to 2 OC192/10GE Load Modules and up to 3 TXS8, TXS4 or SFPS4 Load Modules.

Note: The Ixia 400T v2 must only be operated in the horizontal position as shown in the following figure.

Figure 12-1. Ixia 400T v2 Chassis - Front View

Figure 12-2. Ixia 400T v2 Chassis - Rear View

Warning: In order to prevent accidental injury to personnel, do not leave unused SFP (or SFP+) ports on load modules uncovered. When transceivers are not installed, end caps must be used. For details, see *Use End Caps on Open Ports* on page xxxvii.

Specifications

400T v2 Chassis

The computer specifications are contained in the following table.

Table 12-1. IXIA 400T v2 Specifications

CPU	Intel Atom N455 1.66Ghz
	**Caution-Battery replacement** There is danger of explosion if battery is incorrectly replaced. Do not attempt to replace the battery. Return to Ixia Customer Service for replacement with the same or equivalent type of battery. Ixia disposes of used batteries according to the battery manufacturer's instructions.
Memory	2 GB
Disk	SATA HDD.250 GB
Operating System	Windows 7 Ultimate
Physical	
Load Module Slots	4
Size	10.25”w x 5.75”h x 18.5”d (26.1cm x 14.6cm x 47cm)
Weight (empty)	13.65lbs (6.2kg)
Avg. Shipping Wt.	19.65lbs (8.9kg)
Shipping Vibration	FED-STD-101C, Method 5019.1/5020.1
Environmental	
Temperature	
Operating	41°F to 104°F, (5°C to 40°C) **Note**: Some high-density/high performance load modules may require a lower operating temperature; if this is the case, the operating temperature is specified in the load module datasheet.
Storage	41°F to 122°F, (5°C to 50°C)
Humidity	
Operating	0% to 85%, non-condensing
Storage	0% to 85%, non-condensing
Clearance	Rear: 4 in (10 cm); fan openings should be clear of all cables or other obstructions. Sides: 2 in (5 cm) unless rack mounted.

Table 12-1. IXIA 400T v2 Specifications

Power	100-240 V 60/50 Hz 4-2 A **Note**: The CPU monitors each card's power requirements and refrains from applying power to the backplane if the card's required load would cause the total power to exceed 350W.
Front Panel Switches	Momentary Standby Power push button
Back Panel Switches	Power On/Off rocker switch
Front Panel Indicators	Power, Master, External Clock
Rear Panel Connectors	
Power	Male receptacle (IEC 320-C13)
Keyboard/Mouse	PS/2 6-pin DIN with Y-connector, for external mouse and/or keyboard You **must** use the supplied Y-cable when using the PS/2 mouse.
Monitor	HD-DB15 Super VGA for external monitor
Ethernet	1 RJ-45 10/100/1000Base-T Interface
Com	2 male DB9 Serial Port
USB	4 USB dual type A (2 Front Mounted and 2 Rear Mounted), 4-pin jack connectors
Sync In	4-pin RJ11
Sync Out	4-pin RJ11
XM2 Noise Spec(Fan db)	Condition:Ixia XM2 Front Back Right Left Plugged in not started 56 54 57 58 Only CPU Running On Low Speed 58 56 58 60 On Medium Speed- On Full Speed 70 67 70 73

Use of Filler Panels

Proper cooling of the cards in the Ixia 400T v2 requires that the Ixia 400T v2 chassis is always mounted in a horizontal position and that the filler panels are installed in the unused slots. High powered cards available for use in the Ixia 400T v2 chassis include all variants of the OC192 load modules, all variants of the 10GE load modules, and all variants of the ALM1000T8. Refer to *Installing Filler Panels* on page 5 for instructions on the installation of filler panels.

Rack Mount Cautions

Caution: If this unit is installed in a Rack Mount, observe the following precautions:

a: Elevated Operating Ambient Temperature: If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, consider installing the equipment in an environment that is compatible with the maximum allowable ambient temperature specified for the chassis (40° C).

b: Reduced Air Flow: Install the equipment in a rack so that the amount of air flow required for safe operation of the equipment is not reduced.
Do not block the back or sides of the chassis, and leave approximately two inches of space around the unit for proper ventilation.

c: Mechanical Loading: Mount the equipment in the rack so that a hazardous condition is not caused due to uneven mechanical loading.

d: Circuit Overloading: Consider the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Pay attention to equipment nameplate ratings when addressing this concern.

e: Reliable Earthing: Maintain reliable earthing (grounding) of rack-mounted equipment. Pay special attention to supply connections other than direct connections to the branch circuit (such as use of power strips).