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XAir™ XM Module

Ixia's new XAir™ is the next generation hardware for LTE UE emulation. It delivers the unparalleled LTE performance in the smallest footprint providing the industry highest UE density. This module will allow LTE Advanced feature support. The XM/XG platform can easily expand to support additional sectors.

With the XAir module, complex subscriber modeling can be achieved with the following parameters:

- 1000 UEs per sector
- Voice (VoLTE), Video and Data Traffic Support
- QoE analysis and scoring of each traffic stream
- Mobility over multiple sectors
- Channel Modeling per UE



Each XAir board supports one sector, with 1 Gbps Ethernet ports connected to the IxLoad Xcellon NP or IxCatapult m500/p250 chassis. It also supports up to 4 CPRI interfaces to an eNB or to Ixia's Remote Radio Head r10 units that cover all FDD & TDD frequency bands.

Key Features

- Highest density LTE UE emulation starting at 1000 connected active UEs per board
- Board has its own high accuracy 10MHz clock for eNB synchronization
- Based on Ixia's NP technology for line-rate traffic through a large number of connections
- Fully compatible with the Ixia XM/XG chassis and load modules for seamless testing with other Ixia hardware and test applications.

Specifications

Table 40-1. XAir Module Specifications

Hardware Specification

Number of Ports 3x 1 Gbps Ethernet ports, 1x 10 Gbps Ethernet port,
4x Optical SFP+ CPRI ports, 1x Serial port, SMA
Clock In/Out and Analog Out

Physical

Form Factor 1U Module for insertion into Ixia XM/XG chassis

Height 12.00" (304.8mm)

Width 1.28" (32.5mm)

Depth 15.95" (405.1mm)

Gross Weight 7.5 lbs (3.4kg)

Power Consumption 184 Watts
