

Recreate “real world” Ethernet - in the lab!

7 reasons to choose E100 Chimera Network Emulator



TELEDYNE LECROY
Everywhereyoulook™



*2-port Ethernet test module for emulating impairment
at 5 speeds up to 100Gbps*

1. True wire-speed 100Gbps impairment

- Chimera is one of the very few network impairment solutions on the market that really does let you impair 100Gbps Ethernet – at full wire-speed.
- You can also use it for impairing 50Gbps, 40Gbps 25Gbps and 10Gbps Ethernet.



E100 Chimera is available as a test module for our high-density 4U B2400 chassis (where it occupies 2 slots) or as a standalone solution in portable 1U Compact chassis.



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2. Generate and impair traffic via same SW

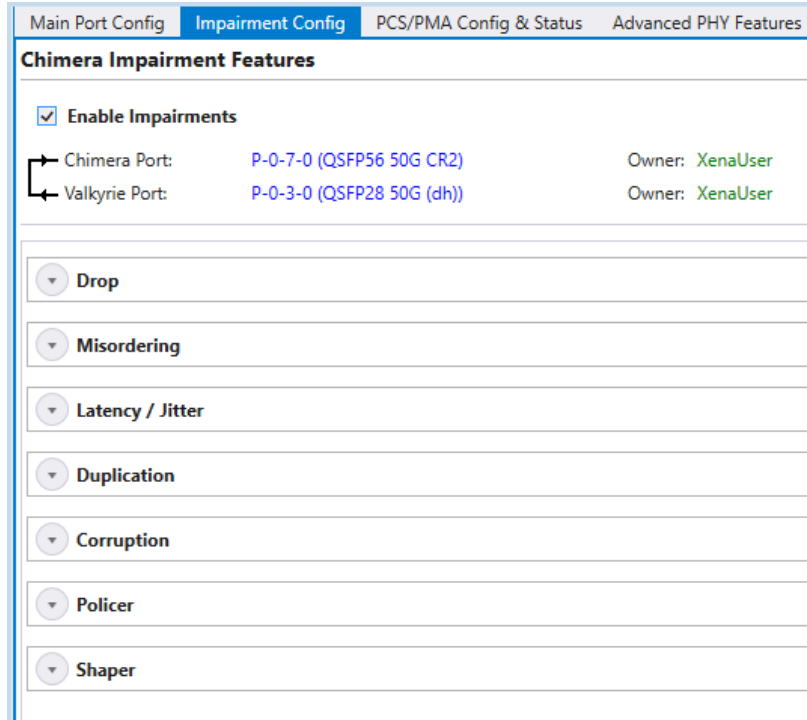
Chimera works seamlessly from inside ValkyrieManager.

This means you can generate streams of Ethernet traffic – and then add precisely the right type of impairment all from within the same GUI.

This is a unique feature that none of our competitors can match.

The result?

Fast. Easy. Testing.



The screenshot displays the 'Chimera Impairment Features' configuration page in ValkyrieManager. The page has four tabs: 'Main Port Config', 'Impairment Config' (selected), 'PCS/PMA Config & Status', and 'Advanced PHY Features'. Under the 'Chimera Impairment Features' section, there is a checked checkbox for 'Enable Impairments'. Below this, two ports are listed: 'Chimera Port' (P-0-7-0 (QSFP56 50G CR2)) and 'Valkyrie Port' (P-0-3-0 (QSFP28 50G (dh))), both owned by 'XenaUser'. A list of impairment types is shown below, each with a dropdown arrow: Drop, Misordering, Latency / Jitter, Duplication, Corruption, Policer, and Shaper.

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3. E100 Chimera supports these impairments

LATENCY / JITTER

- Constant delay
- Accumulate and burst
- Step delay
- Gaussian / Gamma / Poisson Jitter
- Custom Jitter

PACKET IMPAIRMENTS

- Drop
- Mis-ordering
- Duplication
- Corruption (ETH, IP, UDP, TCP)

FLEXIBLE DISTRIBUTIONS

- Manual
- Gaussian, Gamma, Poisson
- Burst drop (Random / fixed)
- Gilbert-Elliot
- Bit Error Rate
- Custom Distributions

BW SHAPING

- Input policing
- Output shaping

PORT IMPAIRMENTS

- Optical link flap
- Logical link flap
- PMA error pulse injection

MISC. FEATURES

- SyncE (Tx follow recovered clk)

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4. Flexible impairment distributions

E100 Chimera supports a wide range of impairment distributions and makes it easy to create customize impairment distributions with just a few mouse-clicks:

IMPAIRMENTS	Drop Duplication Corruption (ETH/IP/TCP/UDP)	Latency/Jitter	Misordering
DISTRIBUTIONS	<ul style="list-style-type: none">• Manual• Fixed burst• Random burst• Fixed Rate• BER• Random Rate• Gilbert-Elliot• Uniform• Gaussian• Poisson• Gamma• Custom	<ul style="list-style-type: none">• Uniform• Gaussian• Poisson• Gamma• Custom• Accumulate & Burst• Step• Constant	<ul style="list-style-type: none">• Manual• Fixed rate

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5. Highest port density

If you need lots of ports for emulating impairment – but don't have a lot of space in your server rack – E100 Chimera is just what you've been waiting for.

With up to 48 ports in one 4U B2400 chassis, no other Ethernet impairment solution can match E100 Chimera when it comes to port density:



ports in 1 chassis

	PORT DENSITY				
Port Speeds	100GE	50GE	40GE	25GE	10GE
# of ports per module	2	4	2	8	8
# of ports per 4U chassis*	12	24	12	48	48

** 6 modules per chassis*

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6. Flexible port reservation

E100 Chimera maximizes the value of your test resources.

Unlike our competitors, E100 Chimera lets you reserve just 1 port pair for doing e.g. 25Gbps impairment, so colleagues elsewhere can freely access the other 3 port pairs.

Greater flexibility and better use of test resources means faster testing and more value for money.

Only from E100 Chimera.



Imagine if airlines only allowed one person per row!

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7. Best price in the industry

Port for port, E100 Chimera is attractively priced.

Factor in the **Xena Value Pack** and you're looking at serious value for money.

The Xena Value Pack means that with every E100 Chimera solution you receive:

1. 3 years' free software updates
2. 3 years' free HW warranty
3. Free tech support for the lifetime of the product
4. Free product training

50%
below industry average

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