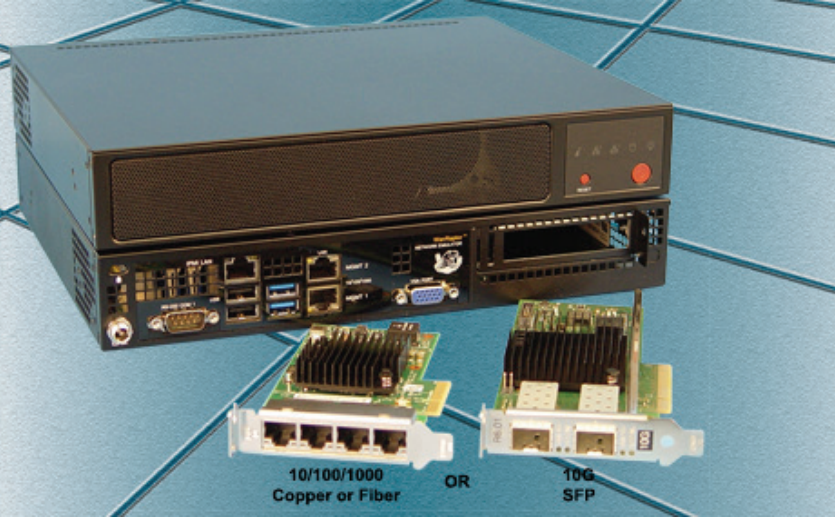


# PDS-1/10G, Portable Delay Simulator

Now Supports  
10/100/1000 or 10GbE



## FEATURES / BENEFITS

- ✓ Ideal for Software Developers, Trade Shows, Customer Demonstrations, Lab Bench Testing
- ✓ Emulation of Network Delays and Impairments
- ✓ Validate and Optimize your Network before Deployment to avoid Costly Application issues
- ✓ Line Rate Performance in Bridge or Route Modes
- ✓ Interfaces Available- 10/100/1000 or 10G
- ✓ Easy to use - GUI interface
- ✓ Bandwidth - 300bps to 10G in 1bps increments
- ✓ Delay - 0 ms to 10 sec. in 1ms increments
- ✓ Supports Packet Loss and Re-Ordering
- ✓ Allows decimal entry and changes-on-the-fly
- ✓ Supports Bandwidth Restriction
- ✓ Real time Traffic Graph and Statistics
- ✓ Built-in Scheduler
- ✓ Supports 90-240VAC with UL/CSA/TUV

## DESCRIPTION

The PDS-1/10G Portable Delay Simulator allows network impairments for bandwidth restriction, latency, jitter, loss and re-ordering at link rates up to 10GbE. The PDS-1/10G allows changes-on-the-fly and has a real-time statistic screen with a packet counter reset. The unit supports 1G or 10G network emulation for one low cost.

The versatile PDS-1/10G is easily portable in a laptop case, it allows desk or bench top testing, wall mount or 1U Rackmount installation with a unique compact enclosure design. The unit is configured via a Graphical User Interface(GUI) and has no cumbersome software to install. The unit is backed with a strong 3-year warranty including maintenance software upgrades. The PDS-1/10G is a must have test tool for product development / demonstrations, network validation, VoIP, benchmark testing, video / IPTV simulation and website performance.

The PDS-1/10G hardware based architecture is a powerful Intel© Processor, coupled with custom software.

The PDS-1/10G can act as a bridge or a router in the users test bed or network. The user configures the unit via the GUI interface using a standard web browser. The GUI is fast and simple to use. All commands and settings are displayed prominently. Simply set the link rate, delay and any other impairments as needed. The user is presented with the results in real time and in a graph.

By using the PDS-1/10G in place of or in series with a real data link (WAN) a wide variety of error conditions can be introduced under controlled and testable conditions. The unit is an excellent choice for validating and evaluating new products and technologies.

The PDS-1/10G is housed in a sturdy metal enclosure which can be rack mounted. It is powered by an external 90-240V 50/60Hz power supply with 12VDC output. The unit has a three year warranty

# SPECIFICATIONS

## Application

An embedded box appliance that will mimic the behavior of a WAN/LAN network, inserted between LAN segments supporting Bridge or Routing functions with network impairments such as bandwidth, delay, loss & re-ordering

## Configuration Management Ports – GUI Access

Two Independent fixed 10/100/1000 Ethernet Ports

## Bridge or Routing Support

All emulations support Bridge or Subnet Routing

## Emulation Interfaces

10/100/1000 Copper or Fiber  
10G with Optional SFP+ Inserts

## Emulation Bandwidth Link Rates

100bps - 10GbE bi-directional or split speeds, Kbps, Mbps or Gbps

## Emulated Latency Settings

Constant: 0 to 10 Seconds, Decimal Format(50µs Accuracy)  
Also Supports Uniform, Exponential & Inter-Packet

## Emulation Impairments

Packet Loss: 0 to 100%, Decimal Inputs  
Packet Re-Ordering: 0 to 100%, Decimal Inputs  
Jitter: By use of different delay options

## Link Throughput

Line Rate or near Line Rate for 10/100/1000 & 10G  
25G and 40G Consult Factory -

## Emulation Statistics

Each link is capable of real-time statistics via GUI

## Password Protection

Implemented via the user LAN Management Port

## Power Source

AC Mains: 90-240VAC @ 10%, 50/60Hz, Auto Range

## Environmental

Operating Temperature....32° to 104° F (0° to 40° C)  
Relative Humidity.....5 to 85% Non-Condensing  
Altitude.....0 to 10,000 feet

## Dimensions: H x W x D

1.70(43mm) x 10.00(254mm) x 8.90(226mm)

## Weight

6 Pounds, 2.721Kg

## Warranty

Five Years hardware, includes software support and software feature upgrades/improvements

## Software Upgrades

Administered via the LAN User Management Ports

## Web Browser Security & Compatibility

Supports HTTPS or HTTP Access  
Google Chrome and FireFox

## Regulatory Approvals

UL, CSA, CE, CCC, FCC and RoHS

## ORDERING INFORMATION

Part Number: 234000

Model: PDS-1/10

Description: PDS-1/10G Portable Delay Simulator, Base Unit

Part Number: 226000

Model: 4-Port 10/100/1000 Copper NIC Card

Part Number: 226009

Model: 2-Port 10/100/1000 with SFP+ NIC Card

Part Number: 226007

Model: 2-Port 1G with SFP+ NIC Card

Part Number: 226004

Model: SFP+ Optical Insert, SR, 10GbE Short Range  
850 Multimode Fiber, LC Connector

Part Number: 234006

Model: Kit, 1U Rackmount W/Power Supply Shelf

## INCLUDED WITH EACH UNIT:

- 1) Operations Manual
- 2) U.S.A. Grounded Power Cord, Part # 713015
- 3) 12V Power Supply

## OPTIONAL POWER CORDS

- A) United Kingdom, Part # 713016
- B) Continental Europe, Part # 713017
- C) Other: Specify Country on Purchase Order

## Other East Coast Datacom Products

RDS-PLUS, Serial Network Latency Simulator  
(Supports all serial interfaces, T1, E1, DS3 ect..)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



New Model : 10 x 8.9 x 1.7 Inches  
Portable, Desktop or 1U Rackmount

EAST COAST DATACOM DESIGNS AND MANUFACTURES DATA COMMUNICATION EQUIPMENT FOR YOUR NETWORK REQUIREMENTS.

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