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.
**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: 32º to 104º F (0º to 40º 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

**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**