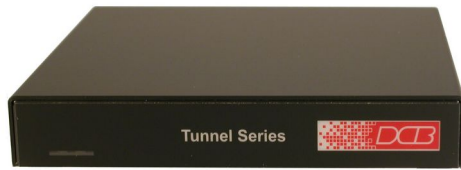# Packet Repeater
UDP Fanout Device

Front View

Rear

Direct UDP packets to multiple destinations with a device that is reasonably priced, easy to set up and manage.

PR-6602 Standard Performance Up to 5,000 Packets/Second, 50 destinations.

PR-6606 High Performance Up to 120,000 Packets/Second, and 400 destinations.

FEATURES

- **Replicates UDP packets based on IP Address and UDP port number**
- **PR-6602 Supports up to 50 destinations (10 per rule and 5 packet selection rules)**
- **PR-6606 Supports up to 400 destinations (20 per rule and 20 packet selection rules)**
- **Bidirectional**
- **Source IP address spoofing**
- **Replicates packets maintaining original source address**
- **Bridges all three Ethernet ports**
- **Multiple incoming packet selection criteria rules**
- **Multiple destinations per rule**
- **Simulates multicast using unicast**
- **Simulates unicast using multicast**
- **Industrial temperature -20º to +70º C**
- **AC and DC power supply options**
- **PR-6602: 10/100BaseT Ethernet ports**
- **PR-6606: 10/100/1000BaseT Ports**
- **3-wire serial port for initial setup**
- **Easy setup, extensive logging and diagnostics**

DESCRIPTION

The PR-6602 replicates UDP packets through any IP network. It has three Ethernet LAN ports and a serial port.

The PR-6602 duplicates some or all of the UDP packets passing through it. The original packet is passed unchanged; if selected for duplication, it is duplicated and the duplicates sent to configured addresses.

All UDP packets are candidates for duplication, selected based upon configured criteria. based upon any combination of the source IP address, the destination address, and UDP port number. Additional flexibility is provided with the selection criteria which may include multiple address ranges for the source, destination as well as UDP port selected.

Each packet selected by one of the five selection rules may be duplicated to as many as ten recipient IP addresses. UDP port numbers may be passed intact with no change to the destination port number, or to a different UDP port number substituted for the original port number.

The PR-6602 is bidirectional. Packets being returned through the PR-6602 may be passed unchanged, or duplicated.

As all UDP packets are candidates for selection, the PR-6602 may be used to duplicate SNMP, NTP, SCADA protocols including DNP/UDP, and MODBUS/UDP, as well as all other UDP packets.

Applications for the PR-6602
- SNMP packet duplication
- SCADA packet duplication to multiple hosts and multiple remotes
- Replicate data for remote monitoring and analysis
- Video streaming and VOIP to multiple recipients
- Unicast to multicast, Multicast to unicast
- Redundant syslogging

SPECIFICATIONS

PR-6602:

- One asynchronous DE-9P RS-232 serial port for initial IP address setup
- Three ethernet ports, 10/100BaseT, MDI/MDIX
- Five selection rules with ten destinations each
- 5,000 packets per second throughput (sum of incoming and outgoing packets)
- Supports 2,048 MAC address table entries
- Capable of replicating all UDP packets
- Default IP address 192.168.0.1

PR-6606:

- Ability to join a multicast group. This allows the PR-6606 to be used in multicast applications on layer-2 networks that support IGMP snooping.
- Improved performance monitoring. The PR-6606 will actively track the Ethernet packet rate and rule match rate.
- One asynchronous DE-9P RS-232 serial port for initial IP address setup
- Three ethernet ports, 10/100/1000BaseT, MDI/MDIX
- Twenty selection rules with twenty destinations addresses each
- 100,000 to 120,000 packets per second throughput (sum of incoming and outgoing packets)
- Supports 2,048 MAC address table entries
- Capable of replicating all UDP packets
- Default Ip address 192.168.0.1

Indicators
Front - Power
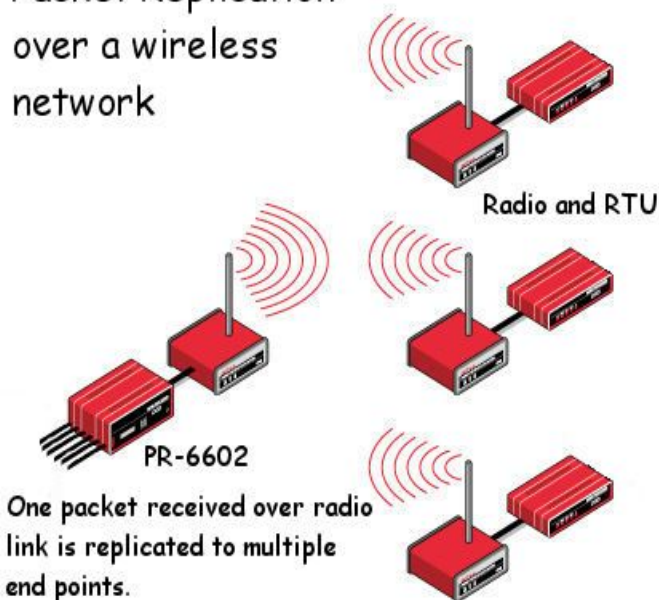Rear – LAN connection, LAN activity

Physical/Electrical
- Power requirements: 7-18VDC, 4watts
- 12, 24, 48, 125 VDC and 240 VAC options are available
- Supplied with 100-240 VAC external supply
- Dimensions: 6 ¼" x 6" x 1"
- Shipping weight: 2 pounds

Environmental
- PR-6602 Operating Temp: -20° to +70° C
- Storage Temperature -50° to +85° C
- Humidity: Non-condensing

APPLICATION

Packet Replication over a wireless network

Radio and RTU

PR-6602

One packet received over radio link is replicated to multiple end points.

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         (800.432.2638)
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         www.dcbnet.com/contact.html
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