CRAT-100/CRDT-100 Router

सी-डॉट
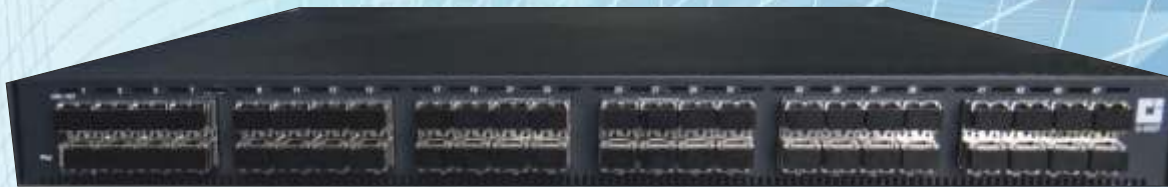C-DOT

The exponential growth of Internet traffic has caused new developments in IP/MPLS router technology. The need for the offering of value added IP services ranging from QoS-based internet access to real-time triple play services like IP telephony, social media, e-commerce, video-conferencing and IPTV has resulted in a demand for multi-service routers with better switching performance.

C-DOT's CRAT-100/CRDT-100 Router is a Next generation product, built to address challenges faced by service providers at the core and edge of the network. It supports features like NonStop Forwarding (NSF) and other value added features, which together makes IP/MPLS network fail-safe and reliable for NGN services and applications.

Product Features and Specifications

- **Switching Fabric Capacity**
  - ✓ 960Gbps
- **Network Interfaces**
  - ✓ 48x10G Optical or 1G Electrical/ Optical Ethernet
- **Redundancy**
  - ✓ 1 + 1 for Power Supplies
  - ✓ Link Aggregation (L2)
  - ✓ ECMP (L3)
  - ✓ VRRP
- **Protocols supported**
  - ✓ IPv4
  - ✓ IPv6
  - ✓ MPLS

- **Routing and Signalling Protocols**
  - ✓ OSPF
  - ✓ BGP
  - ✓ IS-IS
  - ✓ RIP
  - ✓ LDP
  - ✓ RSVP-TE
- **L2 Features**
  - ✓ Spanning Tree (STP/RSTP/MSTP)
  - ✓ VLAN
  - ✓ LLDP
  - ✓ Integrated Router and Bridging
  - ✓ Jumbo Frames
- **Traffic Engineering**
- **Security**
  - ✓ Access Control Lists
  - ✓ Authentication

- **VPN**
  - ✓ MPLS VPN
- **Monitoring**
  - ✓ Sflow
  - ✓ Port Mirroring
- **Management**
  - ✓ In-band management
  - ✓ Out of Band management Interface
  - ✓ XML based web management
  - ✓ SSH, SFTP, SCP
  - ✓ SNMP V1/V2/V3
- **User Interfaces**
  - ✓ GUI
  - ✓ CLI
- **Power Supply**
  - ✓ 220V AC (CRAT-100)
  - ✓ -48V DC (CRDT-100)
- **Dimensions**
  - ✓ 570 mm X 440 mm X 44.5 mm

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