

EAGLE IP DSCO

IP DIGITAL SWITCHING CENTRAL OFFICE

TECHNICAL QUICK REFERENCE

APPLICATIONS:

Local C5 Switch
Tandem Toll Switch
International Gateway Switch
 w/Mu Law / A Law Conversion
Satellite Gateway Switch
V5.2 Host/Local Access Device
Multi Switch Interface Support
Debit Card Platform
VOIP 100BT*
 w/ H323**
 MGCP**
 SIP
 Eagle Proprietary
ATM / Frame Relay E-3/DS3 Portal**
ISP Adjunct Machine
S-CDMA WLL
Voice Mail Interface Support
Subscriber Real Time Billing (Sub. Pre-Paid)
Metering / Metering Over Junction

GENERAL CHARACTERISTICS:

Operation to: 40⁰C, 90% Non-Condensing Humidity
Distributed Architecture
Flexible Configurations
Modular Growth
Advanced Micro Processor Control
Fully Programmable Trunk Signaling
Multi Vendor Trunk Interface Signaling Support
Single Common Equipment Card
 (Main Processor / Switch Matrix / Memory /
 Ethernet / Modem)
Main Processor PCB Hot Swap / Fully Redundant
Redundant Power Sharing -48V Power Supplies
Automatic Battery Charging (w/cutoff)
Redundant Ring Generators
Hot Swap Line Cards
Local/Remote Configuration Control
Full Local/Remote Programming/Diagnostics
Internal Subscriber Call Costing / Recording
30K to 256K CDR Storage Capacity
Remote CDR Retrieval
Flexible Routing w/ Multiple Overflow Routes

CIRCUIT CARDS:

Analog 2 Wire Loop Start Subscriber Card:

- Metering (12/16kHz)
- Non-Metering
- Decadic / DTMF Signalling
- Battery Reversal
- 32 Ports per Card

E-1 PCB:

- Individual Span Signaling Programming
- MFCR-2 / DTMF / SS7 / C7 / V5.2
- Satellite Signaling
- Full / Partial Bandwidth Bonding
 w/ATM/Frame Relay Output**
- 75Ohm BNC / 120Ohm RJ45

T-1 PCB:

- Individual Span Signaling Programming
- MFR1 / DTMF / SS7 / C7
- Full / Partial Bandwidth Bonding
 w/ATM/Frame Relay Output**

E&M PCB: (Type 2 / 5)

- Individual Span Signaling Programming
- MFCR-2/ DTMF / SS7/C7 / V5.2
- Satellite Signaling
- 75Ohm BNC / 120Ohm RJ45

ISDN PRI: (2.048Mbs) *

- Switch Host Application
- Multiple Line Presentation
- Full / Partial Bandwidth Bonding
 w/ATM/Frame Relay Output**
- 75Ohm BNC / 120Ohm RJ45

Two Wire Analog Trunk:

- Decadic / DTMF
- Battery Reversal
- 32 Ports per Card
- Loop / Ground Start

100BT VOIP Portal (Per Frame) *

- H323 Protocol**
- MGCP Protocol**
- SIP Protocol
- Eagle Proprietary Protocol

ATM / Frame Relay Portal (Per Frame) **

- E-3 / DS3 Portal
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SUBSCRIBER FEATURES:

Decadic / DTMF Signaling
Battery Reversal
Flash
Metering (12/16kHz)
Messaging (Stutter DT)
Hot Line (Delayed / Automatic)
Variable Call Forwarding
Call Forward Busy Line / No Answer
Auto Wake Up
Call Waiting
Caller ID*
Caller ID w/Blocking*
Caller ID Outbound Privacy
Primary Carrier Assignment
Primary Carrier Manual Override
Conferencing, 3 Way
Consultation Hold
Hunting (Circular / Terminal)
Auto Call Back
Last Number Redial
Do Not Disturb
Administrative Class Of Service
Subscriber Programmable Class Of Service
Malicious Call Trace
Subscriber Real Time Billing (Sub. Pre-Paid)
Primary / Auxiliary Line
Virtual Subscribers (WLL / Cellular / Adjunct Switch)
Virtual Subscriber Real Time Billing (VSub Pre-Paid)
Public Call Office Line Grouping
Public Call Office Line Grouping Real Time Billing
Interoffice Trunk Group Real Time Billing

SIZE:

Up to 65,536 Ports (64 Frames) **
32 PCB's / Frame
Any Combination Of:
32 Port Analog Subscriber PCB
E-1 PCB (30 Channels)
T-1 PCB (24 Channels)
E&M PCB (8 Ckts)
ISDN PRI PCB (30 channels) *
ISDN BRI PCB (16 Ckts) **

SYSTEM MANAGEMENT: EMS

Full Local / Remote Configuration / Diagnostics
Eagle Management Software Suite: (Centralized Location)

- Call Record Retrieval
- Traffic Record Retrieval
- Automatic Alarm Reporting
- Automatic Customer Care Programming

Eagle Billing System Software Suite: (EBS & ECC) (Centralized Location)

- Subscriber Data Base Management
- Subscriber Detailed Billing Statement Generation
- Subscriber Payment Management
- Subscriber Customer Care Program
- Management Reports

For additional information about this and other Eagle Telephonics, Inc. products and services, please contact your local Eagle sales representative.

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All specifications are subject to change without notice.

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