INDEX

A

access control 1-2
access levels 3-2
ACT LED 2-2, 2-3
Add ISDN Information Elements dialog box 3-51, 3-53, 3-56
Add peer dialog box 3-18
address information 3-7
Addressing tab 3-6, 3-7
Add User dialog box 3-2
administrator access level 3-2
Administrator interface 2-27
advanced commands 3-40 to 3-41
Advanced Commands dialog box 3-41
Advanced dialog box 3-44, 3-47, 3-48, 3-49, 3-50
advanced settings 3-33
AES See encryption
alert indications 3-26
ALRM LED 2-2, 2-3
audio codecs 1-4, 3-21
  enable 3-23
audio messages available 6-2
Audio Message Utility procedures
  exit 6-5
  install and launch utility 6-2
  play message 6-3
  record message 6-3
  replace message 6-4
  upload message 6-4
  use Express Setup 6-6
  view message details 6-5
audio transcoding 1-4, 3-13, 3-21, 3-23, 3-31, 3-61
auto-boot 2-10
auto dial 3-34
autoswitching power supply 2-26

B

bandwidth 3-31, 3-42, 3-49, 3-60
  call overhead 1-13
  resource allocation 1-14
  supported 1-4
basic settings 3-15
Basics tab 3-3, 3-4, 3-5, 3-6
board basic settings 3-6
bonding
  calls 1-6
  synchronization 3-44
boot configuration menu 2-10

C

cables
  DCE 2-15
  DTE 2-15
  EIA449/RS366-DCE 2-20
  EIA449/RS366-DTE 2-17
  EIA530/RS366-DCE 2-21
  EIA530/RS366-DTE 2-17
  EIA530/RS366-DTE-LOS 2-18
  EIA530A/RS366-DTE 2-18
  KIV7/RS366-DTE 2-19
  V.35/RS366-DCE 2-20
  V.35/RS366-DTE 2-16
call bandwidth overhead 1-13

call bearer rate 3-33
call details 3-61 to 3-62
call handling
capabilities 1-5
PRI gateway capacity 1-13
Calls tab 3-60, 3-62
CD LED 2-2
Change Time dialog box 3-5
Choose file dialog box 3-64
conceal caller ID 1-3, 3-33, 3-34
configuration procedures
add interface users 3-2
add service 3-43
change address settings 3-7
change Administrator interface web server port 3-8
configure advanced commands 3-41
configure advanced settings 3-33
configure basic port settings 3-45
configure basic settings 3-15
configure bonding synchronization 3-44
configure downspeeding 3-24
configure DTMF settings 3-39
configure encoding and decoding protocols 3-23
configure encryption settings 3-32
configure fractional channels 3-47
configure framing 3-47
configure incoming call routing methods 3-58
configure IVR 3-20
configure line coding 3-47
configure NSF settings 3-57
configure outgoing call delimiters 3-21
configure peer- to-peer connectivity 3-17
configure port call policies 3-58
configure port physical line properties 3-46
configure port supported services 3-59
configure QoS settings 3-26
configure security 3-8
configure signaling type 3-47
delete interface users 3-3
delete ISDN information elements 3-58
delete services 3-44
detect DTMF 3-39
disconnect calls 3-62
edit interface users 3-2
edit service 3-43
import configuration files 3-64
refresh call information 3-60
refresh information 3-14
refresh System section 3-11
register with gatekeeper 3-15
reserve resources 3-31
restore board basic settings 3-6
save configuration settings 3-64
select events for SNMP traps 3-26
set chassis temperature 3-10
set location 3-6
set time and date 3-5
update license 3-4
connectors
Ethernet 2-2
PORT 2-3
PRI line 2-3
serial 2-2

D

data collaboration 1-2, 3-22, 3-30
enable T.120 3-23
DB-60 2-3, 3-48
DB-9 1-6, 2-2
DCE 3-48
D-Ch LED 2-3
decoding 3-23
default bit rate 3-34
default extension 1-2, 3-59, 4-5
default services 3-42
delimiters
outgoing calls 3-21

second number 3-21, 4-2
DES See encryption
Details dialog box 3-13
diagnostics 1-2
dialing
indirectly through an operator 4-6
into IP 4-3
out from IP 4-1
through IVR 4-6
dialing examples 4-1 to 4-6
dial plan 1-2
DID 1-2, 3-35, 3-59, 4-4
direct dialing 1-2
Discovered Gatekeepers dialog box 3-16
downspeeding 1-3, 3-23, 3-28, 3-40
DTE 3-48
DTMF 1-3, 3-28, 3-29, 3-37
convert signals 3-38
detection 3-38
tone assignments 3-37
dual video 1-3, 3-36, 3-61, 3-62

E

E1/T1 1-9, 1-14, 3-46, 3-47
Edit ISDN Information Elements dialog box 3-51, 3-56
Edit peer dialog box 3-18
Edit User dialog box 3-2
EIA-530 2-15
EIA-530/EIA-530A 3-48
encoding 3-23
encryption 3-31
H.235 1-3, 3-32
interoperability 1-6
serial gateway 1-11
via satellite 1-11
Ethernet
10/100Base-T 1-6
connector 2-2
Ethernet LED 2-2
Event Log tab 3-62
Express Setup 6-5
external program access 3-8

F

fast start 1-3, 3-35
feature summary
general features 1-2
FECC 3-23
File Download dialog box 3-64
first-time installation 2-27
fractional channels 3-47
Fractional dialog box 3-47
framing 3-47
front panel 2-2
FTP 3-8

G

gatekeeper
registering 3-15
GK LED 2-2

H

H.239 1-3, 3-36
H.243 1-3
H.323
call disconnect reason 3-19, 3-41
fast start 1-3, 3-35
version 1 3-16
version 2 or later 3-16
hot swap 1-3

I

ICMP 3-8
importing files 3-64
incoming call routing methods 3-58, 4-3
initial configuration 2-10
installation procedures
  access Administrator interface 2-27
  change default password 2-13
  connect a serial cable 2-15
  connect gateway to LAN 2-14
  connect to a PC 2-11
  connect to power supply 2-26
  insert gateway in chassis 2-8
  insert RTM in chassis 2-7
  install online help files 2-26
  mount chassis on a 19-inch rack 2-5
  register online help 2-28
  set IP address 2-12
installation requirements 2-4
interoperability 1-2
IP address assign 2-11
IP network connection 1-4, 1-6
ISDN
  connection failure 1-3
  rollover 1-3
IVR 1-2, 3-20, 3-35
  corrupt files 3-28, 3-29
  internal capacity 1-6
  operator 4-5
  routing 3-59, 4-5

L

LAN 2-14
  10/100Base-T 1-6
leased lines
  serial gateway 1-12
LED indicators 2-2, 2-3
  troubleshooting 5-2
LED Monitoring tab 3-3
license
  update 3-4
Licensing and Registration dialog box 3-4
line coding 3-47
line quality 1-6
location 3-6

M

maintenance mode 3-63
Maintenance tab 3-63
MCU 1-12, 3-36
media + signaling combinations 1-6
media protocols 1-6
MSN 1-2, 4-4
multimedia conferencing 1-7
multipoint conferencing 1-8

N

Netscape Navigator 2-28
network jitter tolerance field 3-35
network load balancing 1-2
Network Specific Facility (NSF) 1-3, 3-57
NSF Configuration dialog box 3-52, 3-57

O

online help 2-26, 2-28
operator access level 3-2

P

package contents 2-4
password
  default login user 2-13

peer-to-peer
connectivity 1-4, 1-14, 3-15, 3-17
disconnect 3-19, 3-41
hunting module 3-19
peer hunting mode 3-17
physical description
DCE cable 2-19
gateway module 2-2
Rear Transition Module (RTM) 2-3
pin layout
DB-25 2-24, 2-25
DB-37 2-23
M-34 2-22
serial gateway cable connectors 2-22
serial gateway signaling cable connector 2-25
pin-out configuration
serial gateway data interface cable 2-21
serial gateway signaling interface cable 2-24
point-to-point conferencing 1-8
PORT connectors 2-3
ports
physical line properties 3-46
PRI 3-46
settings 3-45
supported 1-4
supported services 3-59
Port Specific tab 3-44
Port tabs 3-45
power supply 2-26
presentation restriction 3-33, 3-34, 3-36
PRI
call handling capacity 1-13
connecting gateway directly to central office switch 1-10
connecting gateway to a PBX 1-10
interface features 1-6
ISDN connections 1-9
ports 3-46
PRI LINE connector 2-3
PRI Port tab 3-51

Q

Q.931 1-2, 3-33, 3-34, 3-35, 3-52, 3-57
Quality of Service (QoS) 1-2, 3-24

R

rack mounting 2-5
read-only access level 3-2
Rear Transition Module (RTM) 2-3
refresh 3-11, 3-14
requirements 2-11
installation 2-4
resources 3-31
RJ-45 2-2, 2-3
rollover 1-3, 3-28, 3-36
routing 1-2, 3-58, 4-3
RS-232
DTE 9-pin D-type connection 1-6
RS-366 3-48
RS-449 2-15, 3-48
RST button 2-2
RTM panel components 2-3

S

saving configuration settings 3-64
second number delimiter 3-21, 4-2
security 3-8
Security tab 3-8
serial control port 1-6
serial lines 2-15
serial port connector 2-2
services 3-42, 3-59
default 3-42
prefix 3-42, 3-59, 4-1

user defined 3-42
Services tab 3-33, 3-42, 3-43
Settings tab 3-14, 3-15, 3-17, 3-20, 3-21, 3-22, 3-23, 3-26, 3-30, 3-32, 3-33, 3-39, 3-43, 3-44
signaling protocols 1-6, 3-46, 3-48
signaling type 3-47
SNMP 3-8
management 1-2
trap events 3-26, 3-27, 3-29
trap servers 1-3
trap severity enumerations 3-30
software upgrade utility procedures
install and launch 7-1
use utility 7-2
Statistics tab 3-62
Status tab 3-13, 3-14
stripping 3-56
sub-addressing 3-35, 4-4
SWAP RDY LED 2-2
switch information 1-6

T

T.120 3-22, 3-30
data collaboration 1-2
enable 3-35
TCS4 1-2, 3-21, 3-59, 4-3, 4-4
temperature 3-10
time and date 3-5
top slot 2-6
troubleshooting
echo cancellation 5-9
Ethernet port settings 5-8
Ethernet port speed 5-11
factory defaults 5-8, 5-10
global user name and password 5-8, 5-9
IP address problems 5-1
LED indication problems 5-2
making calls 5-4
networking information 5-8
receiving calls 5-5
remote monitoring 5-7
T.120 data collaboration 5-10
web server port setting 5-10
troubleshooting procedures
access device commands through serial port 5-8
assign IP address to a new gateway 5-2
change global user name and password 5-9
configure speed of Ethernet port 5-11
configure web server port 5-10
monitor gateway functions from remote site 5-7
restore factory default settings 5-10
set echo cancellation 5-9
set T.120 data collaboration capability 5-10
Type of Number (TON) fields 3-56
Type of Service (TOS) 3-25

U

upgrade software 7-1
user-defined services 3-42
Users tab 3-2, 3-3

V

V.35 2-15, 3-48
Version Details dialog box 3-5
video conferencing protocols 1-4
video protocols 1-4
enable H.263, H.263+,H.264 3-23
video resolutions 1-4
viewing
audio message details 6-5
B channel status 3-13
call details 3-60
call information 3-60
general information 3-3

LED information 3-3
reported alarm events 3-62
service details 3-42
services on each port 3-59
software version details 3-5
System section 3-9
system-specific information 3-62

W

web-based management 1-2
web files 3-28, 3-29
web server 3-8
Web tab 2-28, 3-8