

## Numerics

- 1-Port and 2-Port serial cards
  - connecting 3-4
  - description 3-2
  - LEDs 3-2
- 1-Port ISDN BRI (S/T interface) (WIC-1B-S/T) (figure) 3-8
- 1-Port ISDN BRI (S/T interface) (WIC36-1B-S/T) (figure) 3-7
- 1-Port ISDN BRI S/T card 3-15
- 1-Port ISDN BRI with NT1 (WIC-1B-U) (figure) 3-8
- 1-Port ISDN BRI with NT1 (WIC36-1B-U) (figure) 3-8
- 1-Port serial card front panel (figure) 3-2
- 1-Port serial card to modem or DSU/CSU (figure) 3-6
- 1-Port T1/E1 multiflex trunk interface card
  - connecting 3-36
  - description 3-35
  - LEDs 3-38
- 1-Port T1/FT1 DSU/CSU card
  - connecting 3-20
  - description 3-20
  - LEDs 3-22
- 2-Port asynchronous/synchronous serial card
  - connecting 3-4
  - description 3-3
  - LEDs 3-2
- 2-Port asynchronous/synchronous serial front panel (figure) 3-3
- 2-Port E&M card
  - connecting 3-29
  - description 3-27
- 2-Port E&M card front panel (figure) 3-28
- 2-port FXO card 3-25
- 2-Port FXO card front panel (figure) 3-26
- 2-Port FXS card 3-23
- 2-Port FXS card front panel (figure) 3-24
- 2-Port ISDN BRI card
  - connecting 3-33

- description 3-30
- 2-Port ISDN BRI card front panel (figure) 3-30
- 2-Port serial card front panel (figure) 3-3
- 2-Port T1/E1 multiflex trunk interface card
  - connecting 3-40
  - description 3-38
  - LEDs 3-42
- 56/64-kbps card
  - front panel (figure) 3-19
  - LEDs (table) 3-20
- 56/64-kbps card to jack, connecting (figure) 3-19

## A

- audience, for this document x

## C

- cables
  - serial adapter 3-4
  - serial transition 3-4
- caution
  - antistatic strap 1-22
  - BRI cable connection 3-32
  - E&M interface connection 3-29
  - FXO interface connection 3-27
  - hot swapping not supported 2-6
  - network module insertion 2-3
  - qualified electrician 1-25
  - WAN and voice interface cards 2-5
- Cisco 1600 series routers
  - Cisco IOS releases 1-18
  - overview 1-16
  - removing slot cover (figure) 2-12
  - WAN interface card options 1-18
- Cisco 1720 router

- overview 1-14
- removing slot cover (figure) 2-12
- WAN interface card slots 2-10
- Cisco 2600 series routers
  - Cisco IOS releases 1-12
  - interface numbering 1-10
  - overview 1-10
  - unit numbers (figure) 1-11
  - WAN and voice interface card options 1-12
  - WAN interface card chassis slot locations (figure) 2-8
- Cisco 3600 series routers
  - Cisco IOS releases 1-7
  - interface numbering 1-3
  - overview 1-1
  - unit numbers (figure) 1-6
  - WAN and voice interface card options 1-7
- compliance, FCC Class B 1-23
- connecting
  - 1-Port 56/64K DSU/CSU 3-18
  - 1-Port ISDN BRI S/T 3-18
  - 1-Port T1/E1 multiflex trunk interface card 3-36
  - 1-Port T1/FT1 DSU/CSU card 3-20
  - 2-Port asynchronous/synchronous serial card 3-4
  - 2-Port T1/E1 multiflex trunk interface card 3-40
  - 56/64-kbps card to jack (figure) 3-19
  - ISDN BRI S/T Leased-Line card (figure) 3-17
  - ISDN BRI S/T to an NT1 (figure) 3-12
  - ISDN BRI U to ISDN outlet (figure) 3-13
  - serial port to modem or DSU/CSU (figure) 3-6
  - T1/E1 multiflex trunk interface card to wall jack (figure) 3-37
  - T1/FT1 card to wall jack (figure) 3-21
- conventions, documentation xi
- customer service xiv

## D

- documentation
  - audience x

- conventions xi
- objectives ix
- ordering xvi
- organization xi
- referenced and related ix
- software configuration ix

## E

- E1 multiflex trunk interface card 3-35
- electrostatic discharge prevention 1-22
- ensuring proper air flow 2-4

## F

- filler panel, network module 2-4
- front panel
  - 1-Port serial (figure) 3-2
  - 2-Port asynchronous/synchronous serial (figure) 3-3
  - 2-Port serial (figure) 3-3
  - 56/64-kbps card 3-19
  - ISDN BRI S/T card 3-13
  - T1/FT1 card (figure) 3-22

## H

- hardware specifications 1-18
- help, technical xiv

## I

- installing
  - network module 2-2
  - network module, typical (figure) 2-4

- WAN interface card in network module (figure) 2-8
- interface
  - S/T 3-7
  - U 3-7
- interface numbering
  - Cisco 2600 series routers 1-10
  - Cisco 3600 series routers 1-3
  - Cisco 3660 slot 0 1-4, 1-5
- ISDN BRI S/T card (WIC-1B-S/T), front panel (figure) 3-13
- ISDN BRI S/T card (WIC-1B-U), front panel (figure) 3-14
- ISDN BRI S/T card (WIC36-1B-S/T), front panel (figure) 3-14
- ISDN BRI S/T card (WIC36-1B-U), front panel (figure) 3-15
- ISDN BRI S/T card, connecting to NT1 (figure) 3-12
- ISDN BRI S/T Leased-Line card
  - front panel (figure) 3-16
  - LEDs (table) 3-18
- ISDN BRI U card, connecting to ISDN outlet (figure) 3-13

## L

- LEDs
  - 1-Port and 2-Port serial 3-2
  - 1-Port T1/E1 multiflex trunk interface card 3-38
  - 1-Port T1/FT1 DSU/CSU card 3-22
  - 2-Port asynchronous/synchronous serial 3-2
  - 2-Port T1/E1 multiflex trunk interface card 3-42
  - voice interface card 3-30
- WAN interface card
  - 1-Port 56/64K DSU/CSU 3-19
  - 1-Port ISDN BRI S/T 3-18

## M

- modem
  - asynchronous 3-5
  - synchronous 3-5
- multiflex trunk interface card 3-34
  - description 3-34

## N

- network module
  - installation 2-2
  - slot filler panel (figure) 2-5
  - typical installation (figure) 2-4

## O

- ordering
  - cables (contact customer service) xiv
  - documentation xvi
- overview
  - Cisco 1600 series routers 1-16
  - Cisco 1720 router 1-14
  - Cisco 2600 series routers 1-10
  - Cisco 3600 series routers 1-1

## R

- required tools 2-1
- router
  - rear view
    - Cisco 1601 (figure) 1-16
    - Cisco 1602 (figure) 1-17
    - Cisco 1603 (figure) 1-17
    - Cisco 1604 (figure) 1-17
    - Cisco 1605-R (figure) 1-17

- Cisco 1720 (figure) 1-15
- Cisco 2600 series (figure) 1-10
- Cisco 3620 (figure) 1-3
- Cisco 3660 (figure) 1-2
- Cisco 3640 (figure) 1-3

## S

- safety
  - preventing electrostatic discharge 1-22
  - recommendations 1-20
  - warning definition translated xii
- service and support xiv
- slot cover, removing in Cisco 1600 series (figure) 2-12
- slot filler panel, WAN interface card (figure) 2-9
- support xiv

## T

- T1 multiflex trunk interface card 3-35, 3-38
- T1/FT1 card
  - connecting to wall jack (figure) 3-21
  - front panel (figure) 3-22
  - LEDs (figure) 3-22
  - LEDs (table) 3-22
- technical support xiv
- termination jumpers on older ISDN BRI cards 3-9
- translated warning definition xii

## U

- unit numbers, Cisco 3600 series (figure) 1-6
- USOC jacks 1-24

## V

- VIC-2FXO 3-25
- VIC-2FXO-EU 3-27
- VIC-2FXO-M3 3-27
- voice connection requirements 2-5
- voice interface card
  - configurations (table) 3-31
  - installation 2-5, 2-6
  - ISDN BRI 3-30
  - ISDN BRI usage 3-31
  - LEDs 3-30
  - overview 3-23
- voice network module
  - description 2-5
  - slot numbers 2-7

## W

- WAN interface card
  - 1-Port 56/64K DSU/CSU
    - connecting 3-18
    - description 3-18
    - LEDs 3-19
  - 1-Port and 2-Port serial
    - connecting 3-2, 3-4
    - description 3-2
    - LEDs 3-2
  - 1-Port ISDN BRI S/T
    - connecting 3-18
    - description 3-15
  - 1-Port T1/FT1 DSU/CSU card
    - description 3-20
    - LEDs 3-22
  - 2-Port asynchronous/synchronous serial card
    - connecting 3-4
    - description 3-3
  - Cisco 2600 series chassis slot locations (figure) 2-8
  - installation in a router chassis slot 2-6

- installation in a two-slot network module 2-6
- installation sequence in a Cisco 2600 series router 2-7
- installing in two-slot network module (figure) 2-8
- slot filler panel (figure) 2-9
- WAN interface card slots
  - in Cisco 1720 router 2-9
  - in Cisco 1720 series routers 2-9
- WAN interface card USOC jacks 1-24
- WAN interface cards
  - installation sequence in the Cisco 1720 router 2-9
  - slot (figure) 1-5
- warning
  - BRI cable voltage 3-11
  - connections to telephone network 1-21
  - DC power connection 2-8
  - DC power disconnection 2-2
  - disconnecting telephone network cables 1-21
  - ISDN connection voltage 3-11
  - jewelry removal 1-21
  - lightning activity 1-21
  - power supply 1-21
  - qualified personnel 2-2
  - voltage in WAN ports 1-21
- warnings
  - Australian Communications Authority 1-26

