

### ΙΝΟΕΧ

### Numerics

10/100/1000 ports cable lengths 4, 23 connecting to 22, 23 connectors and cables 1 to 2 described 4 description 4 recommended cables 24 10-Gigabit Ethernet module slots described 4

# A

accessing the device manager 24 adapter pinouts, terminal RJ-45-to-DB-25 8 RJ-45-to-DB-9 8 auto-MDIX 23, 1, 2 autonegotiation default setting 23 troubleshooting 4

## В

blade enclosure architecture 5 description 1

# С

cable lengths **3** cables connecting the stacking cables **16** 

cables (continued) crossover connecting to 2 four twisted-pair pinout, 1000BASE-T ports 7 identifying 8 two twisted-pair pinout, 10/100 ports 6 recommended 24 SFP module 6 straight-through connecting to 2 four twisted-pair pinout, 1000BASE-T ports 7 two twisted-pair pinout 6 X2 transceiver module 4 cabling 10/100/1000 ports 22 auto-MDIX 23, 1, 2 pinouts 6 See also connectors and cables StackWise cables cable numbers 8 connecting to 16 cautions 8 Cisco IOS command-line interface 10, 24 Cisco IP Phones, connecting to 22, 24 Cisco TwinGig Converter Module described 4 installing 18 Class 1 laser warning 2 CLI accessing through console port 1 using 10, 24 command-line interface See CLI

configuration examples, network 3 connecting the stacking cables 16 to 10/100/1000 ports 22 to console port 4 connection procedures 22 to 23 connectors and cables 10/100/1000 ports 1 to 2 console port 4 to 9 console port connecting 3 connectors and cables 4 to 9 conventions, document 8 converter modules installing and removing 18 to 20 crossover cable identifying 8 pinout for four twisted-pair, 1000BASE-T ports 7

## D

device manager description 9 how to access 24 diagnosing problems 1 disposal of product warning 2 document conventions 8 duplex default setting 23 troubleshooting 4

#### Е

electrical codes warning 2
electrical noise, avoiding 3
Ethernet and fiber-optic cable troubleshooting 2
Ethernet cable shielding warning 2
Ethernet port connections warning 2

examples, network configuration 3 Express Setup 11 to 12

#### F

features 1 to 8 features overview 1 to 3 front panel 10/100/1000 Ethernet ports 4 10/100 /1000 ports 4 10-Gigabit Ethernet module slots 4 SFP module ports 4

### Η

health LED 6

### I

installation
guidelines 3
prerequisites 5
requirements 3
installation instructions warning 2
installing Cisco TwinGig Converter Modules 18
installing SFP modules 20 to 21
installing the switch module in the blade enclosure 6
installing X2 transceiver modules 18
IP address
assigning through the Onboard Administrator 9
refreshing 13
ways to assign 8

### J

jewelry removal warning 2

# L

LEDs

```
Health 6
port 6
POST results 1
stack 5
stack master 6
stack member 6
system 5
troubleshooting with 1 to 2
UID 6
lightning activity warning 2
link status troubleshooting 2
```

#### Μ

managing the switch module using SNMP 10, 24 using the CLI 10, 24 using the device manager 9, 24 using the Onboard Administrator 10 message URL http //www.cisco.com/web/learning/index.html 7

## Ν

network configuration examples 3 noise, electrical 3

# 0

Onboard Administrator managing the switch module 10 using to assign IP address 9 overheating prevention warning 2

## Ρ

```
packing list 4
pinouts
    adapters 8
    console port 9, 9
    crossover cable 8
    crossover cables for four twisted-pair, 1000BASE-T
    ports
          7
    crossover cables for two twisted-pair 10/100 ports 6
    RJ-45-to-DB-25 terminal adapter 9
    RJ-45-to-DB-9 terminal adapter 8
    SFP module ports 3
    straight-through cables
        four twisted-pair 1000BASE-T ports 7
       two twisted-pair 6
port and interface troubleshooting 3
port LEDs 6
ports
    10/100/1000 4
        connecting to 23
        described 4
        recommended cables 24
    numbering of 10/100/1000 4
    StackWise ports 8
POST
   LEDs 1
    running at power on 1
procedures
    connecting StackWise Plus cables 16
    connection 22 to 23
    Express Setup 11
    installation 6
publications, related 8
```

### R

recommended configurations for stacking 14 requirements for installing the switch module 3 RJ-45 connector, console port 4

### S

safety and handling guidelines 3 safety warnings 2 serial number location 6 SFP modules bale-clasp latch removal 21 cables 6 connectors 3 description 4 installation 20 to 21 software switch module management 8 specifications 1 speed default setting 23 troubleshooting 4 stacking caution 13 stack LED 5 stack master LED 6 setting 12 stack member LED 6 StackWise Plus cables configuration examples 14 ordering 14 StackWise ports 8 straight-through cable pinout four twisted-pair 1000BASE-T ports 7 two twisted-pair 10/100 ports 6

```
switch stack
configuration examples 14 to 16
creating 13 to 17
description 13
system LED 5
```

# Т

technical specifications 1 Telnet, and accessing the CLI 10, 24 temperature, operating 1 trained and qualified personnel warning 2 troubleshooting bad or damaged cable 2 connection problems 2 diagnosing problems 1 Ethernet and fiber-optic cables 2 link status 2 ping end device 3 port and interface settings 3 POST 1 spanning-tree loops 3 speed, duplex, and autonegotiation 4 switch performance 4 with LEDs 1 to 2 TwinGig Converter Module See Cisco TwinGig Converter Module

# U

UID LED 6 unit identifier See UID

W

warnings

Class 1 laser 2 defined 8 disposal of product 2 electrical codes 2 Ethernet cable shielding 2 Ethernet port connections 2 installation 2 installation instructions 2 jewelry removal 2 lightning activity 2 overheating prevention 2 trained and qualified personnel 2

# X

X2 transceiver modules

described 4 installing 18 installing and removing 18 to 20 removing 19 See also 10-Gigabit Ethernet module slot Index