

594 Problem Determination Quick Reference

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594 Problem Determination

How to Use This Book

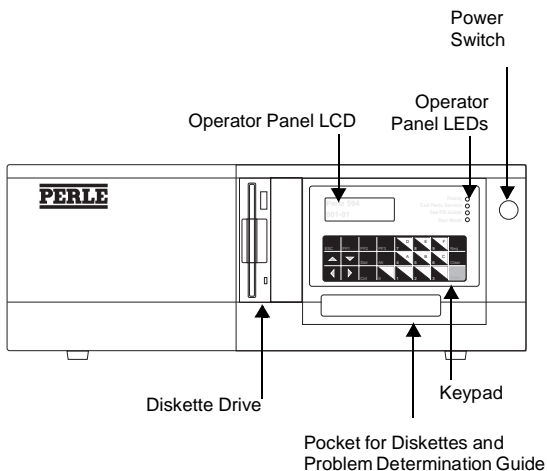
If a message code is displayed on the left side of the bottom line of the operator panel liquid crystal display (LCD), begin problem determination by starting at "Message Codes" on page 11. The explanations for each message code will indicate the next action that should be taken.

See "Codes Displayed on the Operator Panel LCD" on page 8 for a full explanation on interpreting the information displayed on the operator panel LCD.

If you are having a Perle 594 problem, but no message is displayed on the operator panel LCD, the Ready light-emitting diode (LED) on the Perle 594 is lit, and no system reference code (SRC) is being displayed on any attached workstation, refer to "Appendix C: Solving Problems" in the *User and Reference Guide*.

Front View of the 594

Look at the following figure to familiarize yourself with the Perle 594



Operator Panel LEDs

There are four operator panel Light Emitting Diodes (LEDs):



(Ready)

When lit, this green LED indicates the Perle 594 is ready for operation.



(Call Perle Service)

When lit, this yellow LED indicates detection of an error condition that requires you to contact your 594 service representative.



(See PD Guide)

When lit, this yellow LED indicates the Perle 594 has detected a problem that requires diagnosis.








(Test Mode)

This yellow LED is lit when the Perle 594 is in test mode, configuration mode, or when the Concurrent Diagnostics feature is enabled.

Keypad

Use the 24-key keypad to enter commands. The following table provides a description of the Perle 594 keypad functions:

Key	Description
Esc	Cancel request.
PF1	Special request.
PF2	Special request.
PF3	Special request.
0—9	Numeric entry.
	Pressing a number while holding the Alt key produces the following hexadecimal numbers:
Alt + 4	Hexadecimal A
Alt + 5	Hexadecimal B
Alt + 6	Hexadecimal C
Alt + 7	Hexadecimal D
Alt + 8	Hexadecimal E
Alt + 9	Hexadecimal F
 Req	Initiates a status or function request.
↑	Scroll UP .
↓	Scroll DOWN .
 Slot	Enter slot selection mode.
Alt	When held down, this key in combination with numeric keys or PF keys produces alternate values.
 Clear	Clear the value currently being entered. Cancel the current selection.
←	Scroll LEFT .
→	Scroll RIGHT .
 Ctrl	Enter controller selection mode.
 Enter	End input string, or initiate selected function.

Normal Power-On Display Sequence

After the Perle 594 power button is depressed the following sequence of events will occur.

- 1** All of the operator panel LEDs are lit for one (1) second.
- 2** All of the operator panel LEDs are switched off for one (1) second.
- 3** The Test Mode LED is lit.
- 4** The message code 001-01 is displayed on the operator panel LCD.
- 5** The current Perle 594 system date and time are displayed on the operator panel LCD.
- 6** The message code 001-03 is displayed on the operator panel LCD while the Perle 594 Controller Software is loaded.
- 7** The Test Mode LED is switched off.
- 8** Within ten (10) seconds of step 7, the Ready LED is lit.

Notes:

1. The operator panel LED can be interpreted using the "LED Interpretation Table" on page 6.
2. The message codes displayed on the operator panel LCD are defined in "Message Codes" on page 11.

LED Interpretation Table

To use this table, locate the bullet(s) (●) corresponding to the operator panel LEDs that are lit. Look at the indication row for the note you should refer to for the appropriate explanation.

Table 1.

LEDs	● means that the LED is lit.							
Ready			●	●	●	●		
Call Perle Service					●		●	
See PD Guide						●		●
Test Mode		●		●			●	●
Indication:	1	2	3	4	5	6	7	8

Notes:

1. A critical failure has occurred that prevents control of the operator panel LEDs, or an initial program load (IPL) successfully loaded the Perle 594 Controller Software, which is currently performing initialization.

If none of the LEDs are lit after two (2) minutes, refer to "Appendix C: Solving Problems" in the *User and Reference Guide* to determine the necessary action.

2. The power-on self-test (POST) or extended diagnostics are running.
3. The Perle 594 has completed the POST and is in normal operation mode.
4. The Perle 594 is in configuration mode or information can be viewed concurrently.
5. An error exists on the Perle 594 that requires service. Some function may be available.

Contact your 594 service representative. T

6. An error exists that requires further customer problem determination. Some function may be available.

Go to "Message Codes" on page 11 and look up the message code displayed on the left side of the operator panel LCD. The message code will suggest the appropriate action.

7. An error has been detected by the POST or extended diagnostics. Service on the Perle 594 is required.

Go to "Message Codes" on page 11 and look up the message code displayed on the left side of the operator panel LCD. The message code will suggest the appropriate action.

8. An error has been detected by POST or extended diagnostics. Further customer problem determination is required.

Go to "Message Codes" on page 11 and look up the message code displayed on the left side of the operator panel LCD. The message code will suggest the appropriate action.

Codes Displayed on the Operator Panel LCD

The operator panel LCD has two lines for displaying messages used to determine the status of the Perle 594 hardware and software. The top line may be blank, or it may display messages in the following formats:

Top Line Format - Compatible mode

For the 594e in compatible mode, the following format is used:

```
PERLE 594e
```

Top Line Format - Enhanced Mode

For the 594 in enhanced mode, the top line will either be blank, or it will display additional information about an error condition. This information will be displayed in one of the following two formats:

```
CCCCCCCC
```

Where "CCCCCCCC" indicates the CP Name of the controller which is reporting an error. The actual error code will be displayed on the bottom line of the LCD.

or

```
0X ##
```

Where "X" indicates the slot number of the card which is reporting an error. The actual error code will be displayed on the bottom line of the operator panel LCD. The slot number will always be preceded by the number "0". The "##" indicate the type of card which is reporting the error.

Bottom line Format



xxx-xx aaaaaa(a)

A message code ("xxx-xx") is displayed on the left side of the operator panel LCD. See "Message Codes" on page 11 for the message codes that can be displayed on the operator panel LCD.

A data field "aaaaaa(a)" is displayed on the right side of the operator panel LCD. The data field can be either a System Reference Code (SRC) or additional message code information. See "SRCs" on page 20 for the 3-digit hardware SRCs that can be displayed on the operator panel LCD. All 4- to 6-digit SRC definitions can be found in Message Codes and SRCs">"Appendix C: Solving Problems" in the *User and Reference Guide*.

Note: SRCs can also be displayed on the screens of workstations attached to the Perle 594.

Message Code Groupings

Message codes are arranged in numerical groupings, according to the type of code, as follows:

Numerical Group	Type of Message Code
000	Req has been pressed on the keypad
001 - 099	POST and extended diagnostics
100 - 198	Unused
200 - 299	Request codes
300 - 350	Configuration data, bridge filter file, or 594 Network Controller Software copy messages
351 - 720	Operational code errors
721 - 998	Unused
999	An Invalid request code has been entered
P01 - P24	Perle Enhanced Mode messages

Message Codes



xxx-xx

Message codes (xxx-xx) are displayed on the left side of the bottom line of the operator panel LCD. They result from a user request for information or an error condition.

000

Indicates the Req key has been pressed. To enter a request command, press a request number then press **Enter**. To clear the request command press **Esc**. See "Summary of Concurrent Request Codes" on page page 30

001-01

Power-on self-test (POST) is in progress.

001-02

Loading diagnostics from the Perle 594 Controller Setup Diskette.

001-03

Initial program load of Perle 594 system software from the 594 floppy disk drive or 594 hard drive.

002-01

594 failure. Refer to the SRC in lower right corner of the LCD and see chapter 5 of the *594 Diagnostic Guide* for its meaning.

003-02

- To run extended diagnostics, insert the 594 Controller Setup Diskette, type "0" and press **Enter**
- To start normal operation, insert the appropriate 594 Controller Software diskette, type "1" and press **Enter**
- To start system configuration, insert the 594 Controller Setup Diskette, type "2" and press **Enter**

003-03

The diskette in the Perle 594 diskette drive is not valid or is damaged. Insert the correct diskette, then press **Enter** to continue. If the invalid diskette is a valid Perle 594 system diskette, then try using the appropriate 594 backup diskette. If the problem continues contact your 594 service representative.

010-05

A hardware error has been detected, contact your 594 service representative.

020-01

The extended diagnostics main menu is being displayed.

- type "1" to view the Perle 594 hardware features
- type "2" to run all hardware tests
- type "3" to set the Perle 594 system date and time
- type "4" to configure the Perle 594 hardware.

020-02

Press **Enter** to restart the Perle 594 in normal mode, or press **Esc** to continue.

021-xx

The Perle 594 feature card slot number and ID is displayed. Where "xx" refers to the slot number in which the feature card is installed, (i.e., 021-01, 021-02,...,021-07 are the slot numbers of feature cards 1, 2,..., 7). The feature card ID is displayed on the right side of the operator panel LCD. Press **Esc** to continue.

Note: If an unrecognized feature card is encountered asterisks (**) will be displayed. If an empty slot is encountered, dashes (—) will be displayed.

021-08

The amount of memory installed on the Perle 594 Motherboard is displayed in megabytes, on the right side of the bottom line of the operator panel LCD.

021-09

The Perle 594 motherboard type number is shown where Rev 2.0 means 486 type motherboard.

022-04

All extended diagnostics hardware tests completed successfully or **Req** has been pressed to interrupt the tests. Press **Enter** to continue.

022-05

At least one of the extended diagnostics hardware tests failed. Press **Enter** to continue. You can view the errors with option **6** (View the Perle time-stamped error log) in the Service Mode main menu. See the *Perle 594 Diagnostic Guide* for more information.

023-xx

Change or view the current Perle 594 system date and time.

- 023-01 change or view the current Perle 594 system date
- 023-02 change or view the current Perle 594 system time
 - Use the left and right arrow keys on the keypad to move the cursor
 - Use the numbers on the keypad to change the values
 - Press **Enter** to save the value and continue.

or

- Press **Esc** to quit the request without changing the value
- 023-03 the date entered is not valid, press **Enter** to continue.
- 023-04 the time entered is not valid, press **Enter** to continue.

024-01

The current Token-Ring speed (4 or 16 Mbps), or Ethernet speed (10 or 100 Mbps) of the selected LAN Feature card is displayed on the right side of the operator panel LCD. Use the up and down arrow keys on the keypad to select a new LAN speed. Press the **Enter** key to complete the Perle 594 setup.

024-02

The Perle 594 setup is complete. Press **Esc** or **Enter** to continue.

024-03

Invalid hardware setup due to invalid configuration. Invalid card in wrong slot.

099-01

A system reset request is in progress. Press **Esc** to cancel.

099-02

The system reset request is complete. Press **Enter** to continue. Press **Esc** to cancel the request.

099-03

Indicates that a reset is in progress.

099-04

A reboot in Configuration mode or Extended Diagnostics mode is requested. Remove the diskette that is currently in the drive and press **Enter**.

099-05

A reboot in normal mode is in progress but the diskette in the drive is not a Perle 594 Controller Software diskette. Put a Perle 594 Controller Software Diskette in the drive and press **Enter** to continue.

199

A Perle 594 hardware error has been detected. Use the SRC on the operator panel LCD to identify the error.

200-260

A request to display Perle 594 concurrent information has been made. See "Summary of Concurrent Request Codes" on page 30.

280

Indicates that software is being downloaded to the 594.

290

Enter concurrent diagnostic mode request. To activate the request, press **Enter**, or press **Esc** to clear.

291

Exit concurrent diagnostic mode request. To activate the request, press **Enter**, or press **Esc** to clear.

300 to 303

The 594 is in the process of copying configuration data, a bridge filter file or 594e Network Controller Software from diskette to 594 storage. For more information, see Chapter 6, "Transferring 594 Configuration Data" in the *User and Reference Guide*.

304

The Perle 594 is in Interactive Configuration mode, transferring configuration data is not allowed in this mode. Press **Esc** to exit this operation.

305

There is no configuration file, 594CONF.DAT, or bridge filter file, 594FILT.DAT, on the diskette inserted in the 594 diskette drive. Press **Clear**, then insert the correct diskette.

306

The Perle 594 is not in configuration mode. Configuration data or 594e Network Controller Software can be transferred only when the 594 is in configuration mode.

307

A diskette problem has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

308

A 594 hard drive problem has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

309

There is no configuration data in CMOS.

310

The bridge filter file cannot be copied at this time. Try this operation again later when the 594 is not so busy.

311

The bridge filter file is larger than 10,000 bytes. Press **Clear**. Reduce bridge filter file size and try operation again.

313

The 594e Network Controller Software diskette is a different version than the 594e Base Controller Software diskette. Press **Esc**, insert the correct version of the 594e Network Controller Software diskette and try the operation again.

314

A 594e front panel request has been performed that requires the 594e Base Controller Software Diskette to be inserted into the 594e floppy drive. Press **Esc**, insert the 594e Base Controller Software Diskette and try the operation again.

315

A 594e front panel request has been performed that requires the 594e Network Controller Software Diskette to be inserted into the 594e floppy drive. Press **Esc**, insert the 594e Network Controller Software Diskette and try the operation again.

320

Copy bridge filter file request. To activate the request, press **Enter**, or press **Esc** to clear.

340

Copy Network Controller Software request. To activate the request, press **Enter**, or press **Esc** to clear.

345

Display 594e Network Controller Software version request. To activate the request, press **Enter**, or press **Esc** to clear.

351

The system file cannot be read from the Perle 594 Diskette or the Perle 594 hard drive. Use the SRC displayed on the operator panel LCD to identify the problem.

352

A configuration problem was detected. Use the SRC displayed on the operator panel LCD to identify the problem.

359

Incorrect configuration data was detected. Use the SRC displayed on the operator panel LCD to identify the problem.

361

A configuration problem was detected. Use the SRC displayed on the operator panel LCD to identify the problem.

363

An AS/400 connection error has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

364

A problem was detected with either the Token-Ring or the Ethernet adapter. Use the SRC displayed on the operator panel LCD to identify the problem.

410

A physical link error has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

420

An X.25 network error has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

430

An X.21 network error has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

440

A V.25 bis error was detected. Use the SRC displayed on the operator panel LCD to identify the problem.

450

An SNA communication error has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

460

A LAN error has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

470

Frame-relay error. Use the SRC displayed on the operator panel LCD to identify the problem.

480

A Frame Relay Token-Ring Bridge or IP Routing error has been detected. Use the SRC displayed on the operator panel LCD to identify the problem.

500

TCP/IP error. Use the SRC displayed on the operator panel LCD to identify the problem.

720

A Perle 594 system failure has been detected. Note any SRCs on the operator panel LCD and contact your 594 service representative.

999

An invalid key has been pressed following the **Req** key. Press **Esc** to clear the error and retry the operation. See "Summary of Concurrent Request Codes" on page 30

P01-01

A request to select Perle 594e enhanced mode has been made. On the keypad use the arrow keys to select one of the following:

- "0" and press the **Enter** key to continue in compatible mode
- "1" and press the **Enter** key to select Perle 594e enhanced mode.

P02-01

A request to delete the Perle 594e configuration data has been made. On the keypad use the arrow keys to select one of the following:

- "0" and press the **Enter** key to return without deleting
- "1" and press the **Enter** key to delete the Perle 594e configuration data.

P24-01

The Perle 594 feature card ID is displayed on the right side of the bottom line of the operator panel LCD. The slot number of

the card is displayed on the top line of the LCD. Use the up and down arrows to select the feature card to configure.

Note: If the arrow key is used to scroll past the last feature card slot, asterisks (**) will be displayed.

P24-02

The current Token-Ring speed or Ethernet speed of the selected LAN Feature card is displayed on the operator panel LCD. The slot number of the card is displayed on the top line of the operator panel LCD. Use the up and down arrow keys on the keypad to select a new LAN speed. Press the **Enter** key to continue.

P24-03

The configuration data does not match Perle 594 hardware. Use the SRC displayed on the right side of the operator panel LCD to identify the problem. Press **Enter** to correct the configuration data, or press **Esc** to leave the configuration data unchanged.

SRCs

aaaaaa (##)

SRCs (aaaaaa (##)) are displayed on the right side of the bottom line of the operator panel LCD. They indicate an action required to resolve a problem or a 594 system error. SRCs range in length from 3 to 6 digits and can be generated by POST or the Perle 594 controller software.

Note: This section contains only 3-digit hardware SRCs. For all 4- to 6-digit SRCs, refer to "Appendix C: Solving Problems" in the *User and Reference Guide*.

The 3-digit hardware SRCs can be followed by one or two numbers in parentheses (##). These numbers indicate which piece of hardware is associated with the SRC.

100

A hardware problem has been detected on the motherboard. Replace chassis.

101

A hardware problem has been detected on the motherboard memory. Replace the motherboard SIMM(s). If the problem persists, replace the chassis.

102(d)

A hardware problem has been detected on the diskette.

d=1 (594 Controller Setup Diskette).

d=2 (594 Controller Software Diskette).

Try a backup copy of the diskette. If the problem persists, the diskette drive may be defective.

103

Check the diskette to make sure the write protection tab is set as prompted. If it is and the problem persists, the diskette drive may be defective.

104

A hardware problem has been detected on the front panel. Replace chassis.

105(s)

A hardware problem has been detected on the Twinax card in slot *s*. Replace the Twinax card in slot *s* with the same type Twinax card (card ID 41, 44, or 48).

106(s)

A hardware problem has been detected on the Token-Ring card in slot *s*. Replace the Token-Ring card in slot *s*.

107(s)

A hardware problem has been detected on the Ethernet card in slot *s*. Replace the Ethernet card in slot *s*.

108(s) or 108(s,p)

A hardware problem has been detected on the ASCII card in slot *s*. When the problem is detected on a particular port, it will be shown as port number *p*. Replace the ASCII card in slot *s*.

109

A hardware problem has been detected on the Sync card in slot *s*. Replace the Sync card.

110

A hardware problem has been detected in CMOS memory for the time stamped error log. Replace the Sync card.

111(s)

There is a conflict with the setup configuration. Check the switches and straps on the card in slot *s* and check the config data entered. If the problem persists, replace the card in slot *s*.

112

A hardware problem has been detected on the Hard Drive. Replace the Hard Drive.

124

A Perle 594 System Software Diskette problem has been detected. Restart the Perle 594 with the appropriate 594 system Software Diskette Backup. If the problem continues contact your 594 service representative.

126

No configuration data has been found for this card. Press the right arrow key on the keypad to display the slot number of the card generating the error.

127

A Perle 594 feature card has failed the POST procedure. Press the right arrow key on the keypad to display the slot number of the card generating the error, and the POST error code. Power the Perle 594 off and on. If the problem continues contact your 594 service representative.

128

A Motherboard memory error has been detected during POST procedure. Power the Perle 594 off and on. If the problem continues contact your 594 service representative.

129

This card has failed the loop-back diagnostics test. Power the Perle 594 off and on. If the problem continues contact your 594 service representative.

130

The feature card ID assigned during configuration does not match the feature card installed in the slot. Press the right arrow key on the keypad to display the slot number of the card generating the error.

131

The feature card ID assigned during hardware setup does not match the feature card installed in the slot. Press the right arrow key on the keypad to display the slot number of the card generating the error.

132

None of the card IDs have been assigned for Feature Card slots 2 through 7. The card IDs are assigned using the keypad during the hardware setup procedure. Refer to Appendix D of the User and Reference Guide.

133

None of the card IDs have been assigned for the Feature Cards used to communicate with the workstations. The card IDs are assigned using the keypad during the hardware setup procedure. Refer to Appendix D of the User and Reference Guide.

134

All of the configured Feature Cards used to communicate with the workstations have failed the POST procedure. Power the Perle 594 off and on. If the problem continues contact your 594 service representative.

135

None of the card IDs have been assigned for the Feature Cards used to communicate with the Host systems. The card IDs are assigned using the keypad during the hardware setup procedure. Refer to Appendix D of the User and Reference Guide.

136

All of the configured Feature Cards used to communicate with the Host systems have failed the POST procedure. Power the Perle 594 off and on. If the problem continues contact your 594 service representative.

137

No Twinax card has been installed. Therefore, the 594e cannot operate in compatible mode. Use the PC Utility program to configure the 594e for enhanced mode, which can operate with only a LAN Gateway.

138

The wrong diskette is in the diskette drive. Use the 594 Base Controller Software or 594 Network Controller Software Diskette to start up in normal operating mode.

139

There is no configuration file in CMOS or on the 594 Controller Software Diskette. Use Req 300 to restore the configuration file from your backup diskette to CMOS. For information about backing up and restoring the configuration file, refer to "Appendix C: Solving Problems" in the *User and Reference Guide*.

140

The 594 Controller Setup Diskette was not in the diskette drive when initiation of configuration mode was attempted. Insert the correct diskette in the drive and try again.

141

The 594 Controller Setup Diskette was not in the diskette drive when initiation of extended diagnostics mode was attempted. Insert the correct diskette in the drive and try again.

142

The Time stamped Error Log is invalid. Contact your Perle Systems representative.

143

Insufficient memory for the number of controllers you have assigned. Contact your 594 service representative.

145

An enhanced hardware setup is being used with a configuration file which is configured for compatible mode.

146

More than 2 LAN cards are installed in the Perle 594e. Enter extended diagnostics mode to configure the additional cards.

147

A Perle feature card has been configured with the same slot number as an existing LAN card.

148

The primary Token-Ring card has not been installed in slot 3.

149

The 594e contains a secondary LAN card, but no primary.

150

The synchronous communication card has failed the self test procedure. Power the 594 off and on. If the problem continues, contact your 594 service representative.

152

Two unconfigured Type B Token-Ring cards have been installed in the 594e at the same time. Refer to Appendix D in the *User and Reference Guide* for instructions.

153

More than 2 Ethernet LAN cards are installed in the Perle 594e. Remove the extra Ethernet cards.

168(n)

The configuration data does not match Perle 594 hardware, (n) indicates the slot number of the card generating this error.

169(n)

The Feature Card is not placed in the correct slot, (n) indicates the slot number of the Feature Card generating the error.

170

Insufficient memory for current configuration.

171

No 594 Hard Drive was found.

172

No 594e Network Controller Software was found on the 594e Hard Drive. Use REQ 340 to load system software onto your 594e hard drive. For more information on installing 594e

Network Controller Software on to the 594, refer to “Installation of Network Controller Software” section in the *User and Reference Guide*

173

The 594 controller software in the disk drive is not compatible with the 594 hardware.

174

You have configured the 594e to use the PPP protocol but your current hardware does not support PPP. Check the serial number of the controller, if it is lower than 59-08000, it indicates that you need to upgrade the Synchronous Communication Card in order to run PPP.

199

The test code corresponding to the testing error is not found in the test code table.

Online Status Information

594 in compatible mode (Perle 594e only)

The procedure for "Online Status Information" for "Enhanced Mode" can be found on Page 27.

Using the keypad, press **Req**, type **200**, and press **Enter**.

The Perle 594 status information panel is displayed in the following format for the 594 (in compatible mode):

PERLE 594e 200 1 ↑ 2 ↑ 3 ↓ 4 ↑ 5 ↑
--

where:

Status	Description
1 ↑	The Perle 594 is communicating with the AS/400 system.
1 ↓	The Perle 594 is not communicating with the AS/400 system.
2 ↑	The Perle 594 is communicating with at least one twinaxial workstation.
2 ↓	The Perle 594 is not communicating with any twinaxial workstations.
3 ↑	The Perle 594 is communicating with at least one LAN workstation.
3 ↓	The Perle 594 is not communicating with any LAN workstations.
4 ↑	The Perle 594 is communicating with at least one device in the current AS/400 system.
4 ↓	The Perle 594 is not communicating with any devices in the current AS/400 system.
5 ↑	The Perle 594 has established a logical connection (6.2 controller session) with the AS/400 system
5 ↓	The Perle 594 has not established a logical connection (6.2 controller session) with the AS/400 system

The information is valid when the request is made. To display updated information, press **Req**, type **200**, and press **Enter** again.

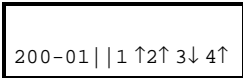
When you have finished viewing the information on the operator panel LCD, press **Esc** to clear.

Enhanced Mode

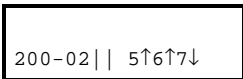
The procedure for "Online Status Information" for "Compatible Mode" can be found on Page 27.

Using the keypad, press **Req**, type **200**, and press **Enter**.

The Perle 594 status information panel for slots **1** to **4** is displayed in the following format:



Press the arrow down key to display the Perle 594 status information for slots **5** to **7**. This information is displayed in the following format:



where:

Status	Description
1 - 4 and 5 - 7	Identifies the Perle 594 slot
↑	Indicates communication activity on the Feature Card
↓	Indicates the slot is empty, or there is no communication activity on the Feature Card

Press the arrow down key to display the Perle 594 status information for controllers **8** and **9**. This information is displayed in the following format:

200-03 8↑9↑

where:

Status	Description
8↑	Indicates that the selected controller is communicating with the ALS of the current AS/400 system.
8↓	Indicates that the selected controller is not communicating with the ALS of the current AS/400 system
9↑	Indicates that the selected controller has established a logical connection (6.2 controller session) with the AS/400 system.
9↓	Indicates that the selected controller has not established a logical connection (6.2 controller session) with the AS/400 system.

The information is valid when the request is made. To display updated information, press **Req**, type **200**, and press **Enter** again.

When you have finished viewing the information on the operator panel LCD, press **Esc** to clear.

Summary of Concurrent Request Codes

Request for information may be made from the Perle 594 keypad any time the Perle 594 Ready LED is lit. Refer to "Appendix C: Solving Problems" in the *User and Reference Guide* for a detailed list of the information displayed and how it is to be interpreted.

Request	Request Code
Display Perle 594 Online status information	Press Req , type 200 , and Press Enter . See "Online Status Information" on Page 27
Display Perle 594 configuration information	Press Req , type 201 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display AS/400 link communication configuration information	Press Req , type 202 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display the Perle 594 Error Log	Press Req , type 203 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display the Transmit Activity Check (TAC) and Timeout error counters	Press Req , type 204 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display the Perle 594 Communication and Statistical counters	Press Req , type 205 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display the Perle 594 Communication State byte	Press Req , type 206 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .

Display the Perle 594 SNA State byte	Press Req , type 207 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display the Perle 594 Communication Interface register	Press Req , type 208 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display the Perle 594 LAN Gateway statistical counters	Press Req , type 209 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display the status of Perle 594 twinaxial port devices	Press Req , type 210 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display the status of Perle 594 LAN Gateway devices	Press Req , type 211 , and Press Enter . See "Concurrent Diagnostics" in the <i>Perle 594 Diagnostics Guide</i> .
Display Perle 594 date and time	Press Req , type 212 , and Press Enter .
Set Perle 594 date	Press Req , type 213 , and Press Enter .
Set Perle 594 time	Press Req , type 214 , and Press Enter .
Display status and configuration information for each host	Press Req , type 215 , and Press Enter .
Display 594 LAN card permanent address	Press Req , type 216 , and Press Enter .
Display 594 FR-TR Bridge Counters for the Token-Ring port	Press Req , type 217 , and Press Enter .
Display 594 FR-TR Bridge Counters for the frame relay port	Press Req , type 218 , and Press Enter .

Reset 594 FR-TR Bridge Counters for the Token-Ring port	Press Req , type 219 , and Press Enter .
Reset 594 FR-TR Bridge Counters for the frame relay port	Press Req , type 220 , and Press Enter .
Restart Token-Ring communication	Press Req , type 230 , and Press Enter . See "Appendix C: Solving Problems" in the <i>User and Reference Guide</i> .
Start/Stop FR-TR Bridge Frame forwarding	Press Req , type 240 , and Press Enter .
Start/Stop IP Routing frame forwarding.	Press Req , type 241 , and Press Enter .
Display IP Router Information.	Press Req , type 250 , and Press Enter .
Display IP Router Counters	Press Req , type 251 , and Press Enter .
Reset IP Router Counters.	Press Req , type 252 , and Press Enter .
Display IP Router Port Information.	Press Req , type 253 , and Press Enter .
Display IP Router Port Counters.	Press Req , type 254 , and Press Enter .
Reset IP Router Port Counters.	Press Req , type 255 , and Press Enter .
Display IP Router Static Route Table	Press Req , type 256 , and Press Enter .
Display IP Router Frame Relay IP DLCI Table	Press Req , type 257 , and Press Enter .
Display IP Router Dynamic Route Table Information	Press Req , type 258 , and Press Enter .
Place the 594 in Concurrent Diagnostics mode.	Press Req , type 290 , and Press Enter .
Disable Concurrent Diagnostics mode.	Press Req , type 291 , and Press Enter .

Restore the Perle 594 configuration from your Configuration Backup Diskette.	Press Req , type 300 , and Press Enter .
Manually back up the Perle 594 configuration	Press Req , type 302 , and Press Enter .
Copy 594 bridge filter file.	Press Req , type 320 , and Press Enter .
Copy 594 Network Controller Software to Hard Drive.	Press Req , type 340 , and Press Enter .
Display 594 Network Controller Software Version on Hard Drive.	Press Req , type 345 , and Press Enter .

