

# Product Documentation

## About Your Switch Manual Set

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**Note**

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For the latest version of all ProCurve switch documentation, including Release Notes covering recently added features, please visit the ProCurve Networking Web site at [www.procurve.com](http://www.procurve.com), click on **Technical support**, and then click on **Product manuals (all)**.

### Printed Publications

The two publications listed below are printed and shipped with your switch. The latest version of each is also available in PDF format on the ProCurve Networking Web sit, as described in the above Note.

- *Read Me First*—Provides software update information, product notes, and other information.
- *Installation and Getting Started Guide*—Explains how to prepare for and perform the physical installation and connect the switch to your network.

### Electronic Publications

The latest version of each of the publications listed below is available in PDF format on the ProCurve Web site, as described in the above Note.

- *Management and Configuration Guide*—Describes how to configure, manage, and monitor switch operation.
- *Advanced Traffic Management Guide*—Explains how to configure traffic management features such as STP, QoS, and IP routing.
- *Access Security Guide*—Explains how to configure access security features and user authentication on the switch.
- *Release Notes*—Describe new features, fixes, and enhancements that become available between revisions of the main product guide.

## Feature Index

For the manual set supporting your switch model, the following feature index indicates which manual to consult for information on a given software feature and which switches support that feature.

| Feature  | Management and Configuration | Advanced Traffic Management | Access Security Guide | Supported on 5300xl | Supported on 4200vl | Supported on 3400cl/6400cl |
|--|------------------------------|-----------------------------|-----------------------|---------------------|---------------------|----------------------------|
| 802.1Q VLAN Tagging                            |                              | X                           |                       | yes                 | yes                 | yes                        |
| 802.1X Port-Based Priority                     | X                            |                             |                       | yes                 | yes                 | yes                        |
| 802.1X Multiple Authenticated Clients per port |                              |                             | X                     | yes                 | no                  | yes                        |
| ACLs   |                              | X                           |                       | yes                 | no                  | yes                        |
| AAA Authentication                             |                              |                             | X                     | yes                 | yes                 | yes                        |
| Authorized IP Managers                         |                              |                             | X                     | yes                 | yes                 | yes                        |
| Authorized Manager List (web, telnet, TFTP)    |                              |                             | X                     | yes                 | yes                 | yes                        |
| Auto MDIX Configuration                        | X                            |                             |                       | yes                 | yes                 | yes                        |
| BOOTP  | X                            |                             |                       | yes                 | yes                 | yes                        |
| Config File                                    | X                            |                             |                       | yes                 | yes                 | yes                        |
| Console Access                                 | X                            |                             |                       | yes                 | yes                 | yes                        |
| Copy Command                                   | X                            |                             |                       | yes                 | yes                 | yes                        |
| CoS (Class of Service)                         |                              | X                           |                       | yes                 | yes                 | yes                        |
| Debug  | X                            |                             |                       | yes                 | yes                 | yes                        |
| DHCP Configuration                             |                              | X                           |                       | yes                 | yes                 | yes                        |
| DHCP Option 82                                 |                              | X                           |                       | yes                 | yes                 | no                         |
| DHCP/Bootp Operation                           | X                            |                             |                       | yes                 | yes                 | yes                        |
| Diagnostic Tools                               | X                            |                             |                       | yes                 | yes                 | yes                        |
| Downloading Software                           | X                            |                             |                       | yes                 | yes                 | yes                        |

| <b>Feature</b>                                 | <b>Management and Configuration</b> | <b>Advanced Traffic Management</b> | <b>Access Security Guide</b> | <b>Supported on 5300xl</b> | <b>Supported on 4200vl</b> | <b>Supported on 3400cl/6400cl</b> |
|--|-------------------------------------|------------------------------------|------------------------------|----------------------------|----------------------------|-----------------------------------|
| Eavesdrop Protection                           |                                     |                                    | X                            | yes                        | yes                        | no                                |
| Event Log                                      | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Factory Default Settings                       | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Flow Control (802.3x)                          | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| File Management                                | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| File Transfers                                 | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Friendly Port Names                            | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Guaranteed Minimum Bandwidth (GMB)             | X                                   |                                    |                              | yes                        | no                         | yes                               |
| GVRP   |                                     | X                                  |                              | yes                        | yes                        | yes                               |
| IGMP   |                                     | X                                  |                              | yes                        | yes                        | yes                               |
| Delayed Group Flush                            |                                     | X                                  |                              | yes                        | yes                        | yes                               |
| Interface Access (Telnet, Console/Serial, Web) | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| IP Addressing                                  | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| IP Routing                                     |                                     | X                                  |                              | yes                        | yes                        | yes                               |
| Jumbo Support                                  |                                     | X                                  |                              | no                         | no                         | yes                               |
| LACP   | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Link   | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| LLDP   | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| LLDP-Med                                       | X                                   |                                    |                              | yes                        | yes                        | no                                |
| MAC Address Management                         | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| MAC Lockdown                                   |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| MAC Lockout                                    |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| MAC-based Authentication                       |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| MAC authentication RADIUS support              |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| Management VLAN                                |                                     | X                                  |                              | yes                        | yes                        | yes                               |

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|--------------------------------------|-------------------------------------|------------------------------------|------------------------------|----------------------------|----------------------------|-----------------------------------|
| Meshing                              |                                     | X                                  |                              | yes                        | no                         | yes                               |
| Monitoring and Analysis              | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Multicast Filtering                  |                                     |                                    | X                            | yes                        | no                         | no                                |
| Multiple Configuration Files         | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Network Management Applications      | X                                   |                                    |                              | yes                        | SNMP only                  | SNMP only                         |
| OpenView Device Management           | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| OSPF                                 |                                     | X                                  |                              | yes                        | no                         | yes                               |
| Passwords                            |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| Password Clear Protection            |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| PCM                                  | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| PIM Dense                            |                                     | X                                  |                              | yes                        | no                         | no                                |
| Ping                                 | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Port Configuration                   | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Port Monitoring                      |                                     | X                                  |                              | yes                        | yes                        | yes                               |
| Port Security                        |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| Port Status                          | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Port Trunking (LACP)                 | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Port-Based Access Control            |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| Port-Based Priority (802.1Q)         | X                                   |                                    |                              | yes                        | yes                        | yes                               |
| Power over Ethernet (PoE)            | X                                   |                                    |                              | yes                        | no                         | no                                |
| Protocol Filters                     |                                     |                                    | X                            | yes                        | no                         | no                                |
| Protocol VLANs                       |                                     | X                                  |                              | yes                        | no                         | yes                               |
| Quality of Service (QoS)             |                                     | X                                  |                              | yes                        | yes                        | yes                               |
| RADIUS Authentication and Accounting |                                     |                                    | X                            | yes                        | yes                        | yes                               |
| Rate-limiting                        | X                                   |                                    |                              | yes                        | no                         | yes                               |
| RIP                                  |                                     | X                                  |                              | yes                        | no                         | yes                               |

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|--|-------------------------------------|------------------------------------|------------------------------|----------------------------|----------------------------|------------------------------------|
| RMON 1,2,3,9                                 | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| Routing                                      |                                     | X                                  |                              | yes                        | yes                        | yes                                |
| Routing - IP Static                          |                                     | X                                  |                              | yes                        | yes                        | yes                                |
| Secure Copy                                  | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| SFLOW  |                                     |                                    |                              | yes                        | yes                        | yes                                |
| SFTP   | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| SNMPv3                                       | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| Software Downloads (SCP/SFTP, TFTP, Xmodem)  | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| Source-Port Filters                          |                                     |                                    | X                            | yes                        | yes                        | yes                                |
| Spanning Tree (STP, RSTP, MSTP)              |                                     | X                                  |                              | yes                        | yes                        | yes                                |
| SSHv2 (Secure Shell) Encryption              |                                     |                                    | X                            | yes                        | yes                        | yes                                |
| SSL (Secure Socket Layer)                    |                                     |                                    | X                            | yes                        | yes                        | yes                                |
| Stack Management (Stacking)                  |                                     | X                                  |                              | no                         | yes                        | yes                                |
| Syslog                                       | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| System Information                           | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| TACACS+ Authentication                       |                                     |                                    | X                            | yes                        | yes                        | yes                                |
| Telnet Access                                | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| TFTP   | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| Time Protocols (TimeP, SNTP)                 | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| Traffic/Security Filters                     |                                     |                                    | X                            | yes                        | yes                        | yes                                |
| Troubleshooting                              | X                                   |                                    |                              | yes                        | yes                        | yes                                |
| UDP Forwarder                                |                                     | X                                  |                              | yes                        | yes                        | yes                                |
| Virtual Stacking                             |                                     | X                                  |                              | no                         | yes                        | yes                                |
| Virus Throttling (connection-rate filtering) |                                     |                                    | X                            | yes                        | no                         | no                                 |
| VLANs  |                                     | X                                  |                              | yes                        | yes                        | yes                                |
| VLAN Mirroring (1 static VLAN)               |                                     | X                                  |                              | yes                        | yes                        | no                                 |

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|-----------------------------------|-------------------------------------|------------------------------------|------------------------------|----------------------------|----------------------------|-----------------------------------|
| Voice VLAN                        |                                     | <b>X</b>                           |                              | <b>yes</b>                 | <b>yes</b>                 | <b>yes</b>                        |
| Web Authentication RADIUS Support |                                     |                                    | <b>X</b>                     | <b>yes</b>                 | <b>yes</b>                 | <b>yes</b>                        |
| Web-based Authentication          |                                     |                                    | <b>X</b>                     | <b>yes</b>                 | <b>yes</b>                 | <b>yes</b>                        |
| Web UI                            | <b>X</b>                            |                                    |                              | <b>yes</b>                 | <b>yes</b>                 | <b>yes</b>                        |
| Xmodem                            | <b>X</b>                            |                                    |                              | <b>yes</b>                 | <b>yes</b>                 | <b>yes</b>                        |
| XRRP                              |                                     | <b>X</b>                           |                              | <b>yes</b>                 | <b>no</b>                  | <b>yes</b>                        |