

ZyXEL GS-4012F V3.60(TS.1)

Release Note/Manual Supplement

Date: June 26, 2005

This document describes the features in the GS-4012F product for its 3.60(TS.1) release.

Support Platforms:

ZyXEL GS-4012F V3.60(TS.1) supports models: Dimension GS-4012F

Version:

ZyNOS version: V3.60(TS.1) | 06/24/2005

bootbase version: V3.0 | 04/08/2005 18:23:15

Known Issue:

1. When restore configuration, the default VLAN and the default IP address will be implicitly created.
2. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.

Features:

1. 4 ports Auto MDI/MDI-X 100/1000Mbps compliant with IEEE802.3u/x/ad
2. 12 ports Mini GBIC 1000Mbps compliant with IEEE802.3x/ab
3. 16K layer2 MAC addresses table
4. 8K IP address table
5. Support 1MB on-chip packet buffer.
6. 802.1D transparent bridging
7. Port-based VLAN
8. IEEE 802.1Q tag-based VLAN
9. IGMP snooping
10. MAC filtering
11. Management through console, telnet, SNMP or web management
12. Firmware upgrade by FTP
13. Configuration saving and retrieving
14. Overheat detection
15. LED indications for link status
16. External power backup for internal power module failure
17. 9K jumbo frame
18. Filtering/Mirroring by L2/L3/L4 rules
19. Bandwidth control by L2/L3/L4 rules
20. Egress traffic shaping per port
21. Private VLAN for port isolation
22. SSH v1 and v2
23. SSL

Firmware Upgrade:

The GS-4012F uses FTP to upgrade firmware in run-time through its built-in FTP server. You can use any FTP client (for example, [ftp.exe](#) in Windows) to upgrade GS-4012F. The upgrade procedure is as follows:

Upgrade GS-4012F FW:

```
C:\> ftp <GS-4012F IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 360TS0b2.bin ras
ftp> bye
```

Where

- User name : the management user name, admin by default
- Password : the management password, 1234 by default
- 360TS0b2.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in GS-4012F

Command Line:

Please refer to additional Excel files in GS_cli.zip