

Korenix JetNet PoE Switch- JetNet 4706 SOFTWARE RELEASE Notes

Before Upgrade

Before you use the Switch firmware, please ensure that you know the product number and use the correct firmware version. By reading the file, you can know the new feature and changes, the fixed bugs and the restrictions. You can find the latest firmware in the Korenix web site, <http://www.korenix.com> or get the help from Korenix Customer Support, Korecare@korenix.com.

About This Software Version

The version number and the release date.

Firmware Version	Boot Loader Version	Release Date	Note
V 1.0	V1.6.4.0	17-July-2007	Official release
V 2.1	V1.6.4.3	16-Apr-2008	Official release

CAUTION: You can only update the correct firmware to the JetNet switches. Ensure the product model number before you start updating. If the version of Boot Loader is not match with JetNet4706 then upgrade firmware first then Boot Loader, ensure the power state is stable during the upgrade.

Important!

Upgrade firmware shall follow the following sequence:

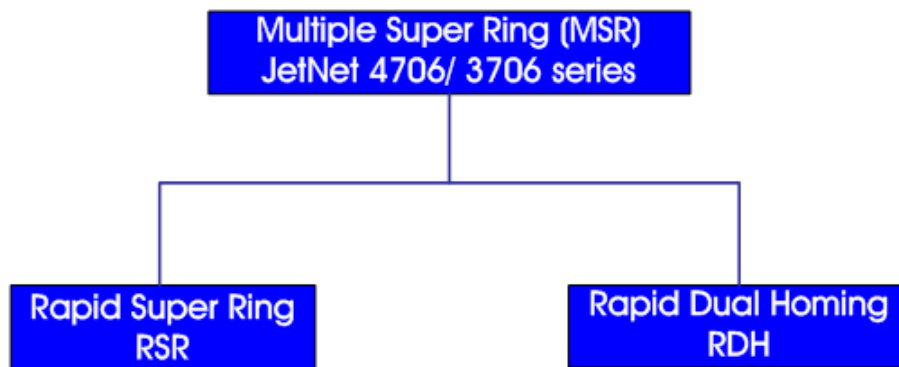
- First, upgrade firmware v2.1 by JetView v1.3 or above
- Second, upgrade Boot loader v1.6.4.3 by JetView v1.3 or above

After Boot loader upgrade finished, it will auto restart system to enable new functions.

New Changes and Improvement:

The following changes apply to the version v 2.1:

- Support Multiple Super Ring function (M.S.R.) which include enhanced Rapid Super Ring (R.S.R.) and Rapid Dual Homing (R.D.H.) functions. The following diagram show the support features.



1. Backward compatible with Super Ring
2. Failover time < 5ms (copper port)
3. Restore time = 0ms
4. Change R.M. when ring recovery.

1. No extra control link.
2. Multiple backup path.
3. Multiple Node to Node backup path
4. Enhance Recovery Time 50~100ms
5. Maximum 4 uplink.

- Provide new Web user interface for redundant ring
- Supports Internet Group Multicast Protocol (IGMP) version for snooping.
- Provides boot loader information in command line interface (CLI) mode and JetView (Version 1.3 above)
- Power over Ethernet (PoE) Forced Mode powering function with user defined power consumption control.
- Support PoE self diagnostic function in JetView windows utility (supported in JetView version 1.3 above).
- Change SNMP object ID from 1.3.6.1.4.1.24062.2.1.3 to 1.3.6.1.4.1.24062.2.3.2
- Support system configure file recovery function in JetView utility (supported in JetView version 1.3 above)
- Add Daylight saving time function
- Add device front panel display function in Web interface.

The following changes apply to the version 1.0:

- Support full functions of IGMP V1 & IGMP V2 (ex. Query Interval · Query Maximum Response Time).
- Change the reaction time of power mode to 20ms
- Support private MIB for DHCP
- Support JetView V1.0

Fixes for Known Faults

The following fixes apply to version v 2.1

- Fix IP configure issue by JetView utility.
- Fix RSTP look-back issue when 2 ports link together will cause both of port change to forwarding mode.
- Fix RSTP configure issue in Web interface for the following parameters: max-age, hello time, forwarding delay.
- Fix PoE power budget limiting issue when set to '15.06', the value will become '15.6'.
- Fix Private MIB issue for Ring port ID change.
- Remove and fix VLAN IGMP snooping function from Web interface.
- Fix unicast mac table can't be modify from Web interface.
- Fix NTP issue when it configured primary and secondary server with same IP address will cause different message shows in command line interface (CLI mode).
- Fix RSTP share link issue when 2 port link to one Ethernet hub.
- Fix link partner line detection (LPLD) function issue, when the detect cycle time is not tenfold will cause target IP address change to empty.
- Correct misspellings issue of help information in Web interface.

The following fixes apply to version v 1.0

- Fix multicast packets flooding issue when IGMP snooping enabled.
- Fix JetView firmware upgrades fail, when a lot of one is upgraded
- Remove the web interface of IGMP query

Known Restrictions or Limitation

- Boot loader v1.6.4.3 should use firmware 2.1 or above.
- In the RSTP interoperability testing case- JetNet 4706 connects 3 paths to Cisco 2950. It will cause uplink port state change to forwarding mode and start looping when Root Switch changes from JetNet 4706f to Cisco 2950.
- The system could not down grade to firmware v1.0.
- In the ring topology, the recovery time of node power-up is around 30 seconds.
- The MAC address table may not flash immediately, when change port link status. For example, plugged out port 1 device and link to port 3, the MAC table of port 1 will not be flash immediately if the device does not send ARP request. The MAC table will be update in 300 sec.