



Version	Build Date No./	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
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v5.6	Build_18110820	N/A	ICS-G7828A Series	New Features:	Bugs Fixed:	Suggestion:
				Layer 3:	1. Fix abnormal display of packet counter in the web GUI.	1. Reconfigure the
				Support tracking function.	2. When the device receives large amounts of BPDU packets on a port, the RSTP function does not enable,	device once you have upgraded to
				Security Related Functions	which might cause the device to reboot	v5.x 2. To ensure that the system remains
				System Notification: Definable		
				successful/failed login notification.		
				2. Password Policy: Password	on the relevant page.	stable, do not
				strength can be set.	Changes	export
				3. Account Lockout Policy: Failure		configurations from
				threshold and lockout time can be set.	Rate limit adds more options on the ingress rate	v4.x or prior into
				4. Log Management: Full log		v5.x or later
				handling.		
				5. Remote Access Interface		
				Enable/Disable.		
				6. Configuration Encryption with		
				password.		
				7. Support SSL certification import.		
				8. Support MAC authentication		
				bypass via RADIUS authentication.		
				MAC Address access control list or		
				MAC address filtering.		
				10. Protect against MAC flooding atack by MAC address sticky.		
				11. NTP authentication to prevent		
				NTP DDoS attack.		
				12. Login Authentication: Support		
				primary & backup database servers		
				(RADIUS / TACACS+ / Local		
				Account).		
				13. Login Authentication via RADIUS		
				Server: Support Challenge		
				Handshake Authentication Protocol		
				(CHAP) authentication mechanism.		
				14. RADIUS Authentication: Support		
				EAP-MSCHAPv2 (For Windows 7).		
				15. MXview Security View Feature		
				Support* (with MXstudio V2.4).		

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	Netroda Bute			Redundancy 1. Turbo Ring v2, Turbo Chain Support Port Trunking Enhancements: 1. Web GUI supports web browser Chrome 65.0 2. CLI: Supports Multiple Sessions (up to six). 3. SMTP Supports Transport Layer Security (TLS) Protocol and Removes SSL v2/v3. 4. SNMPv3 Traps and Informs. 5. Display Issues with Java Applet. 6. Fiber Check: Add Threshold Alarm. 7. Static Port Lock with VLAN filtering option. 8. When GbE Port Speed is [Auto], MDI/MDIX is [Auto] Fixed. 9. Web UI/CLI Command Enhancement and Modification.		
v4.5	Build_16112110	N/A	ICS-G7828A-20GSFP- 4GTXSFP-4XG-HV-HV, ICS- G7828A-4GTXSFP-4XG-HV- HV, ICS-G7828A-8GSFP- 4GTXSFP-4XG-HV-HV	New Features:  1. Add DSCP remark function.  2. Add Traceroute function.  Enhancements:  1. Encrypt all security passwords and keys in web user interface and command-line interface.	Bugs Fixed:  1. VRRP can't work on RSTP ports.  2. VRRP state will be unexpectedly changed when it takes too much time to change IGMP querier.  3. VRRP state will be unexpectedly changed when both VRRP Fast Switchover mode is enabled and Port Trunking is set.  4. Configurations can't be imported through command line, when VRRP Fast Switchover mode is set with more than 16 entries.  5. Device will reboot occasionally when enabling OSPF.  Changes:  N/A	N/A



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v4.2	Build_15062312	4GTXSFP-4XG-H' G7828A-4GTXSFI HV, ICS-G7828A-	ICS-G7828A-20GSFP- 4GTXSFP-4XG-HV-HV, ICS- G7828A-4GTXSFP-4XG-HV- HV, ICS-G7828A-8GSFP- 4GTXSFP-4XG-HV-HV	V, ICS- XG-HV- Mode  1. Add new Multicast Fast Forwarding Mode 2. Add new VRRP Fast Switchover	Bugs Fixed:  1. Device will reboot when using CLI command to backup device configuration to TFTP server.  2. Device will reboot when using CLI command to change SNMP v3 data encryption key and the length of key is over than 100 characters.  Changes:	N/A
				<ol> <li>Increase IGMP Groups to 4096 (original 1000 groups).</li> <li>Improve Turbo Chain link status check mechanism at the head port.</li> </ol>	N/A	
4.1	Build_15030209	N/A	ICS-G7828A-20GSFP- 4GTXSFP-4XG-HV-HV, ICS- G7828A-4GTXSFP-4XG-HV- HV, ICS-G7828A-8GSFP- 4GTXSFP-4XG-HV-HV	Enhancements: N/A	Bugs Fixed:  1. PIM-SM multicast forwarding issues 2. Randomly hang issue while booting up 3. Topology drawing issue on MXview 4. In IGMPv3, fail to forward multicast packets on MSTP DISABLED-STATUS port 5. Fail to add Static default route (0.0.0.0/0) through Web console 6. Randomly fail to recognize Moxa SFP modules 7. In OSPF routing protocol, 10G ports have incorrect path cost 8. Randomly fail to connect to ABC-02 9. HTTPS certification validity issue 10. Reboot issue while TFTP upgrading firmware with incorrect CLI command 11. ACL CLI command 11. ACL CLI command fail on rules with Ether-type is 0 or IP-protocol is 0 12. Hang issue while IGMP join and leave frequently Changes:	N/A

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v4.0	Build_14093015		4GTXSFP-4XG-HV-HV, ICS- G7828A-4GTXSFP-4XG-HV- HV, ICS-G7828A-8GSFP- 4GTXSFP-4XG-HV-HV	First release.  Enhancements:	Bugs Fixed: N/A Changes: N/A	N/A