

Product Change Notification

Product Change Notification #: 112205-00

Notification Date: November 22, 2005

Products: MTXCSEM, MTXCSEM-SP, MTXCSEM-L and MTXCSEM-L-SP

Type of Change: New firmware release and hardware PCB revision - Distributor inventory does not need to be updated.

Description of Change: See firmware release notes below. The hardware update consists of a board revision to accommodate a new Ethernet interface chip, the old Ethernet interface chip is now end-of-life. There is no change to form, fit or function based on this hardware update.

Release Notes

Version 3.01 to 3.06

New features and commands are documented in revision I of the SocketEthernet™ IP command guide.

New Features

- Added basic Modem Emulation Feature using standard AT commands.
- Added MII tool to allow setting the speed of the Ethernet port.
- Added command "set login http-host-login <enable/disable>" to enable or disable host page login.
- Added "show ip eth0 link-status <ip_address>" to check the Ethernet link status.
- Changed DHCP client so it sends out discovery every 10 seconds. This will help in acquiring IP address quicker.
- Auto-Dialin telnet can now use host name to connect to remote server. Command change:
Old command: set serial s0 auto-dialin-ip (obsolete)
New command: set serial s0 auto-dialin-host
- Send hostname option when DHCP client is making request.
- When initiate TCP session, it will use random source port on every power up. It will also use random source port every time it initiates a TCP session.
- Allowed getting into command mode during boot up when auto-dialin is enabled. After Ready prompt, you have 3 seconds to press Control+C to abort the auto-dialin session.
- Added support for SMTP authentication.
- Allow FTP client to transmit multiple files within one FTP connection. Added -m option for the ftp command.
- Allow FTP client to transmit and specify the destination directory. Added -d option for the ftp transmit command.
- Update HTTP pages and SNMP for all the new commands.

Fixed

- Fixed login string and size problem.
- Fixed disconnecting dialin session by dropping DTR.
- Fixed file size problem in FTP transfer.
- Fixed auto-dialin retry.
- CLI commands will ignore all "~" character.
- When raw mode is set, it applies to port 23 also for serial dialin.
- Fixed auto-discovery when DHCP client is enabled on the Ethernet port.

- DHCP client and discovery will keep trying forever.
- Fixed telnet inactivity timeout disconnect problem.
- Fixed RAW TCP socket connection buffer issue.
- Fixed data bits (7) and parity (odd) issue with command mode.
- Fixed FTP client and escape problem when data stream contains ^C^D^Z.

Production Cut Over Date: Immediate

Ordering Information:

Old Ordering Part Number	New Ordering Part Number	Description
MTXCSEM-SP	MTXCSEM.R1-SP	Serial-to-Ethernet + IP – 5V (Single Pack)
MTXCSEM	MTXCSEM.R1	Serial-to-Ethernet + IP – 5V (50 Pack)
MTXCSEM-L-SP	MTXCSEM-L.R1-SP	Serial-to-Ethernet + IP – 3.3V (Single Pack)
MTXCSEM-L	MTXCSEM-L.R1	Serial-to-Ethernet + IP – 3.3V (50 Pack)

Please direct any questions regarding this PCN to our OEM Sales Department.

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