



## Product Change Notification

**Product Change Notification #:** 010808-00

**Notification Date:** January 08, 2008

**Products:** SocketEthernet IP<sup>®</sup> Serial-to-Ethernet Device Servers  
MT100SEM, MT100SEM-SP, MT100SEM-L, MT100SEM-L-SP

**Type of Change:** New firmware release.

**Description of Change:** This is a maintenance release of firmware that corrects several reported issues and includes some feature enhancements.

**Production Cut Over Date:** Immediate

### Release Notes

**Old Version:** 1.00H

**New Version:** 1.01C

### Changes/Enhancements

- Added RTS/CTS flow control
  - AT+IFC=2,2 = flow control on
  - AT+IFC=0,0 = flow control off (default)
- Telnet server is defaulted on. Allows device to be remotely configured out of the box.
- Added secure login for Telnet.
  - AT#TELNETUSER= "<64 char string>" default= admin
  - AT# TELNETUSER? or AT#VTELNET or AT#VALL to view
  - AT# TELNETPASSWORD = "<64 char string>" default= ""
  - AT# TELNETPASSWORD? or AT#VTELNET or AT#VALL to view
- Telnet port can be configured.
  - AT#TELNETPORT = <1-65535> default = 23
  - AT#TELNETPORT? or AT#VTELNET or AT#VALL to view
- Changed UDP maximum receive packet length to 512 bytes.
- Made a change so that Auto Discovery values that are changed remotely will now store to non-volatile RAM.
- Added compatibility with Microsoft DHCP server, Option 61 and Option 15 are now supported.
- Added a timer so device will attempt to obtain a DHCP address for 60 seconds.

### Fixes

- Fixed problem where Ethernet port could lock up when receiving large amounts of data.
- Fixed problem where the subnet address only worked in the 255.255.255.0 range.
- Fixed TCP socket character loss problem.
- Fixed problem where TCP socket was not receiving NULLs.
- Fixed problem with SMTP authentication.
- Fixed problem so SMTP can now send multiple line messages.
- Fixed problem where DHCP would not work if the server address was set to 192.168.1.1 or 192.168.1.2.
- Fixed problem where FTP was not sending or receiving NULLs.
- Fixed problem where AT#POP3PORT, AT#SMTPPORT, AT#FTPPORT were not storing to non-volatile RAM properly.
- Fixed problem where AT#DHCP=0 would not set the IP, Gateway and Subnet mask addresses back to default.

**Ordering Information:**

<b>Old Ordering Part Number</b>	<b>New Ordering Part Number</b>	<b>Description</b>
MT100SEM	MT100SEM.R1	Serial-to-Ethernet Device Server, 5V 50 PK
MT100SEM-SP	MT100SEM.R1-SP	Serial-to-Ethernet Device Server, 5V Single PK
MT100SEM-L	MT100SEM-L.R1	Serial-to-Ethernet Device Server, 3.3V 50 PK
MT100SEM-L-SP	MT100SEM-L.R1-SP	Serial-to-Ethernet Device Server, 3.3V Single PK

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

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