

PRODUCT CHANGE NOTICE

Symmetricom S300/S350 SyncServer Software Update

1. Supplier Information

Symmetricom
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2. Product Change Notice #
0811-7-TTM

3. Issue Date
November 2008

4. Change Classification
N/A

5. Product Identity/Model

SyncServer S300
SyncServer S300 with Rubidium Oscillator
SyncServer S300 & 40-60 Vdc Power Supply
SyncServer S300 & Rubidium Oscillator & 40-60 Vdc Power Supply
SyncServer S350
SyncServer S350 with Rubidium Oscillator
SyncServer S350 & 40-60 Vdc Power Supply
SyncServer S350 & Rubidium Oscillator & 40-60 Vdc Power Supply

6. Product Code/Assembly

1520R-S300
1520R-S300-RB
1520R-S300-DC
1520R-S300-RB-DC
1520R-S350
1520R-S350-RB
1520R-S350-DC
1520R-S350-RB-DC

7. Older Product Codes

N/A

8. New CLEI Code

N/A

9. Old CLEI Code

N/A

10. Drawing

N/A

11. Associated Products or Changes Affected

N/A

12. Classification Substantiation

N/A

13. Reason for Change

Repair software defects. New Release Version is v2.03 for SyncServer S300/S350 models only.

Identify installed Release Version in deployed S300/S350 SyncServers in one of two ways:

- 1) Web Page: Log into the SyncServer and proceed to the (STATUS)[General] web page. The Release Version is listed on that page.
- 2) Front Panel: Press the (STATUS) button repeatedly until the SyncServer STAUS screen appears. The Version appears on that screen in the lower left.

14. Description of Changes

1. Repaired issues with Sysplex Timer Output functionality:
 - a. The internal timing engine now steers to NTP when there is no hardware reference (GPS, IRIG, etc.). In this state the internal timing engine reports to the Sysplex daemon that it is locked.
 - b. The Sysplex flywheel character can now be changed as long as the internal timing engine is locked to a reference (not flywheeling).
 - c. Now prevent the possibility of starting two Sysplex daemons under unique circumstances.
2. Modified the networking setup to properly handle the use case when the LAN1 gateway is set to 0.0.0.0.
3. Applied net-snmp patch 1712645. A defect in net-snmp (net-snmp bug 1693039) filled up the /var/log/daemon.log file with two lines of repeating messages: error on subcontainer 'ia_addr' insert (-1). Version 2.03 of the SyncServer software applies net-snmp patch 1712645 to fix this defect. Application of this patch allows the SyncServer to boot when the /var/log/ is over its allocated RAM partition size. Affects SyncServers configured to bond LAN ports 2 and 3 for redundancy.

4. Repaired the behavior of the AIS setting on systems with T1/E1 option.
5. Repaired the behavior of the timing engine to unlock when changing from receiving a valid T1 signal to receiving a valid E1 signal, and vice versa.
6. Repaired the front panel display code to send only valid errors to the error logs.
7. Repaired a defect in the RADIUS code that inserted incorrect iptables rules for RADIUS server access.
8. Increased the number of remote syslog servers supported from one (1) to a maximum of eight (8). Added fields on the **ADMIN, Logs Config** page to accommodate the IP Address/DNS Name of the remote servers.
9. Added a start-up check to see if the log files are too large for the allocated space. If too large, revert to default configuration and issue a warning message.
10. Added checks to prevent v1.xx software from S200/S250 SyncServers being loaded on v2.03 SyncServer S300/S350 software and subsequently corrupting the S300/S350 file structure.

15. Effect of Change

N/A

16. Material Affected

N/A

17. Documentation Affected

N/A

18. Supplier Implementation Date

November 2008

19. Modification Expiration Date

N/A

20. Modification Location

N/A

21. Modification Cost

N/A

22. Location and Quantity of Equipment

N/A

23. Attachments

N/A

24. Comments