



2300 Orchard Parkway
San Jose, CA 95131-1017
Tel: (408) 433-0910

FIELD SERVICE BULLETIN

FSB #: 098-50620-032

DATE: February 9th 2010

System: SyncServer S2xx and S3xx Series Network Time Servers

Product Identity: NTP Servers

Product Code: Description: CLEI Code: N/A

1520R-S300	SyncServer S300
1520R-S300-RB	SyncServer S300 with Rubidium Oscillator
1520R-S300-DC	SyncServer S300 & 40-60 VDC Power Supply
1520R-S300-RB-DC	SyncServer S300 & RB Oscillator & 40-60 VDC Power Supply
1520R-S350	SyncServer S350
1520R-S350-RB	SyncServer S350 with Rubidium Oscillator
1520R-S350-DC	SyncServer S350 & 40-60 VDC Power Supply
1520R-S350-RB-DC	SyncServer S350 & RB Oscillator & 40-60 VDC Power Supply
1520-S200-RB	SyncServer S200
1520-S200-RB-DC	SyncServer S200 & 40-60 VDC Power Supply
1520-S200-RB	SyncServer S200 with Rubidium Oscillator
1520-S200-RB-DC	SyncServer S200 & Rubidium Oscillator & 40-60 VDC Power Supply
1520-S250-RB	SyncServer S200 with Rubidium Oscillator
1520-S250-RB-DC	SyncServer S200 & Rubidium Oscillator & 40-60 VDC Power Supply
1520-S250-RB	SyncServer S250 with Rubidium Oscillator
1520-S250-RB-DC	SyncServer S250 & Rubidium Oscillator & 40-60 VDC Power Supply
1520-S250i-RB	SyncServer S200 with Rubidium Oscillator
1520-S250i-RB-DC	SyncServer S200 & Rubidium Oscillator & 40-60 VDC Power Supply
1520-S250i-RB	SyncServer S250i with Rubidium Oscillator
1520-S250i-RB-DC	SyncServer S250i & Rubidium Oscillator & 40-60 VDC Power Supply
1520R-S200	SyncServer S200
1520R-S200-DC	SyncServer S200 & 40-60 VDC Power Supply
1520R-S250	SyncServer S250
1520R-S250-DC	SyncServer S250 & 40-60 VDC Power Supply
1520R-S250i	SyncServer S250i
1520R-S250i-DC	SyncServer S250i & 40-60 VDC Power Supply

NOTE: Find a copy of this FSB in Support section of our website at <http://www.symmetricom.com>

Classification: National Vulnerability Database #CVE-2008-4609

Behavior: A remote privileged user with a real IP addresses or subnet can cause certain network services on the affected system to become unresponsive, which is a type of Denial of Service (DoS). We have found no unexpected or adverse impact to SyncServers. When the DoS attack is removed, SyncServer systems recover normally.

Description: The TCP implementation in (1) Linux, (2) platforms based on BSD Unix, (3) Microsoft Windows, (4) Cisco products, and probably other operating systems allows remote attackers to cause a denial of service (connection queue exhaustion) via multiple vectors that manipulate information in the TCP state table, as demonstrated by sockstress.

Recommended Actions: Place the SyncServer on private LAN behind a security appliance that does not have this vulnerability.

Permanent Solution: Symmetricom plans to release version 1.25 for the S2xx SyncServers and version 2.50 for the S3xx SyncServers that will eliminate this vulnerability. Upon the release of the software upgrade Symmetricom will issue a Product Change Notice (PCN). PCN's are available at: www.symmetricom.com.

In addition to the PCN, all SyncServers with Port 80 access to the Internet, and Update Notification enabled in the SyncServer will notify users of update availability, via email, SNMP trap, log file entry, and/or LED depending on user settings.

Contact Information:

Symmetricom Inc
3750 Westwind Blvd
Santa Rosa CA 95403

Toll Free Calls
888.367.7966 option 1, then option 2
Toll Calls
408-428-7907 (1) (2)