

IntraCore 3524 Notice of Run-time Driver Change

Preliminary Notice - Interim Instructions - Formal Notice to follow:

There has been a change in the Flash ROM component in the 3524 switch. The run-time drivers were not updated after this change and this makes it impossible to update the firmware from the run-time code. If your 3524 switch has a PROM version of 1.04, then you need to update via the PROM menu with new code. This code can be located at <ftp://ftp.asante.com/firmware/switches/IC3524/BETA/>.

The symptom of trying to upgrade the Flash with older runtime drivers is that the update will fail to write to Flash. This will not harm your unit.

Any switch that has a serial number over 244DXXXX or if the 61- part number is a Revision F or G indicates that you probably have the new Flash and need to update from the PROM Menu.

You can also determine whether or not you need to update via the PROM Menu by checking your PROM version as detailed below. If you have version 1.04 then you need to update via the PROM Menu (Procedure listed below). If you have PROM 1.03 or earlier, you can update your firmware from the standard menus.

A. DETERMINE PROM Version - Logon as you would normally

```
=====
IntraCore 3524 Local Management System Version 1.14A
Compiled Date: Feb 20 2004 17:45:48
Asante Technologies, Inc.
Copyright (c) 2001 Asante Technologies, Inc.
=====
```

Main Menu

```
<Cmd>      <Description>
g          General Information
c          Configuration
s          Statistics
q          Return to previous menu
```

Command> g <----Select 'g' to determine your PROM Code Version

IntraCore 3524 General Information Menu

```
System up for:   000day(s), 00hr(s), 00min(s), 34sec(s)
Software Version
  Bank 1 Image Version/Date:  1.14A/Feb 20 2004 17:45:53
  Bank 2 Image Version/Date:  1.14A/Feb 20 2004 17:45:53 (Running)
System Information
  PROM Image Version/Date:    1.03D/Oct 06 2001 15:29:58 <----If this is version
1.04 it requires update from the PROM Menu
DRAM Size:          16.0MB      Flash Size:          2.0MB
Config NVRAM Size:  64KB       Console Baud Rate:  9600 bps
Administration Information
  System Name:        <none>
  System Location:   <none>
  System Contact:    <none>
System MAC Address, IP Address, Subnet Mask and Router
  MAC Address:       00:00:94:CC:F5:33
  IP Address:        192.168.1.124
  Subnet Mask:       255.255.255.0
  Router:            192.168.1.253
Bootstrap Configuration
  Boot Load Mode:   LOCAL
```

Press any key to continue...

B. PROM MENU UPDATE PROCEDURE

1. You need to have a console connection. This is a Female DB-9 port on the front of the 3524. The communications parameters are 8 Data Bits, No Stop Bits, 1 Parity bit (8N1) 9600 Baud. The cable is a straight through Male DB-9 (PC Side) to Female DB-9 on the 3524 side.
2. You need to start with the switch off, connect your computer via the serial cable and launch your Terminal Emulation program.
3. Apply power to the switch
4. When the following text appears on the screen interrupt the boot process by pressing Control-C (hold the Control key down and press the 'C' key)

```
-----  
Press Any Key To Pass Memory Test  
1024 KB  
Memory Check Passed !
```

Initializing switching system. Please wait ...

Checking Image Bank 1 Integrity ... OK

Type Control-C to abort transferring to Run-Time Code

```
-----  
You are now in the Boot PROM Menu
```

From here you will check your IP configuration using the 'i' menu.
You will use the 'b' option to set up your TFTP options:

IntraCore 3524 System Main Menu

PROM version = 1.04 Oct 06 2001 15:29:52

```
<Cmd>                    <Description>  
  i                    Config TCP/IP Parameters  
  b                    Config Bootstrap Parameters  
  g                    Execute Load Sequence
```

Command> **b** <----Select 'b' to configure your TFTP server settings

IntraCore 3524 Bootstrap Menu

Bank 1 Image Version/Date: 1.14A/Feb 20 2004 17:45:53

Bank 2 Image Version/Date: 1.14A/Feb 20 2004 17:45:53

Boot Server IP Address:

Boot File Name:

Boot Mode:

Boot Load Mode: LOCAL

Active Image Bank: 1

```
<Cmd>                    <Description>  
  b                    Set Boot Mode to Bootp-tftp  
  t                    Set Boot Mode to Tftp only  
  l                    Set Load Mode to Local Only  
  r                    Set Load Mode to Remote Only  
  s                    Set Boot Server IP Address  
  f                    Set Boot File Name  
  a                    Toggle Active Image Bank  
  q                    Return to Previous Menu
```

```
Command> t Set to TFTP Only  
          l Set Boot Mode to Remote Only  
          s Set Boot Server (TFTP Server) Ip Address  
          f Set Boot File Name
```

When you have finished it should look something like this, substitute your IP addressing information:

IntraCore 3524 Bootstrap Menu

Bank 1 Image Version/Date: 1.14A/Feb 20 2004 17:45:53
Bank 2 Image Version/Date: 1.14A/Feb 20 2004 17:45:53

Boot Server IP Address: 192.168.1.100
Boot File Name: rt3524_200d.ima
Boot Mode: TFTP
Boot Load Mode: REMOTE
Active Image Bank: 1

<Cmd>	<Description>
b	Set Boot Mode to Bootp-tftp
t	Set Boot Mode to Tftp only
l	Set Load Mode to Local Only
r	Set Load Mode to Remote Only
s	Set Boot Server IP Address
f	Set Boot File Name
a	Toggle Active Image Bank
q	Return to Previous Menu

Command> q <----Press 'q' to return to Previous Menu

IntraCore 3524 System Main Menu

PROM version = 1.04 Oct 06 2001 15:29:52

<Cmd>	<Description>
i	Config TCP/IP Parameters
b	Config Bootstrap Parameters
g	Execute Load Sequence

Command> g <----press 'g' to Continue the boot process and update the Firmware and the Runtime Drivers.

IntraCore 3524 File Up/Downloading Status

Server: 192.168.1.100
File: rt3524_200d.ima
Action: Download Image File Only
Protocol: TFTP

*****< Press any key to quit downloading >*****

Retries	Data received (Bytes)
-----	-----
0	937784

Receiving file completed!
Synchronizing image data...
Begin to write image into image bank 2, please wait for about one minute...
Writing image completed, press any key to continue...