

ONIE Update

Accton Technical Support Team

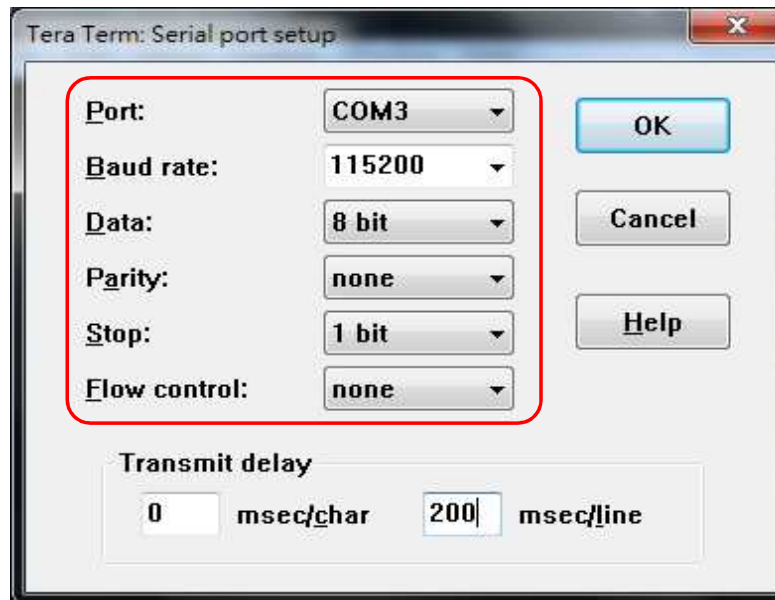
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Switch Console Settings.

Accton

- Serial Console Setting.



The image shows a screenshot of the 'Tera Term: Serial port setup' dialog box. The dialog box has a title bar with a close button (X) in the top right corner. The main area contains several settings, each with a label and a dropdown menu:

- Port:** COM3
- Baud rate:** 115200
- Data:** 8 bit
- Parity:** none
- Stop:** 1 bit
- Flow control:** none

These six settings are enclosed in a red rectangular box. To the right of the settings are three buttons: 'OK' (highlighted in blue), 'Cancel', and 'Help'. Below the settings is a section titled 'Transmit delay' with two input fields: '0 msec/char' and '200 msec/line'.

ONIE Update

■ X86 Platform

- Power on switch as you see GRUB menu, please select “ONIE: Update ONIE” and press Enter.

```
GNU GRUB version 2.02~beta2+e4alfe391

+-----+
|*ONIE: Install OS
| ONIE: Rescue
| ONIE: Uninstall OS
| ONIE: Update ONIE
| ONIE: Embed ONIE
|
+-----+
```

■ PowerPC/ARM Platform

- Power on switch and press any key to stop autoboot, then type “run onie_update”.

```
Hit any key to stop autoboot: 0
LOADER=>
LOADER=> run onie_update
Loading Open Network Install Environment ...
Platform: powerpc-accton_as4600_54t-r0
Version : 2015.02.00.05
WARNING: adjusting available memory to 30000000
## Booting kernel from FIT Image at 02000000 ...
Using 'accton_as4600_54t' configuration
Trying 'kernel' kernel subimage
Description: accton_as4600_54t-r0 PowerPC Kernel
Type: Kernel Image
Compression: gzip compressed
```

ONIE Update

■ ONIE Update Mode

- If there is any issue with ONIE, you can send /var/log/onie.log to us.

```
To check the install status inspect /var/log/onie.log.
```

```
Try this: tail -f /var/log/onie.log
```

```
** ONIE Update Mode Enabled **
```

```
ONIE:/ #
```

```
ONIE:/ #
```

- In ONIE update mode ONIE continuous try to discover DHCP IP and ONIE updater file path.

```
ONIE: Using DHCPv4 addr: eth0: 192.168.1.10 / 255.255.255.0
```

```
ONIE: Starting ONIE Service Discovery
```

```
Info: Fetching http://192.168.1.108/onie-updater-arm-accton_as4610_54-r0 ...
```

```
Info: Fetching http://192.168.1.108/onie-updater-arm-accton_as4610_54 ...
```

```
Info: Fetching http://192.168.1.108/onie-updater-accton_as4610_54 ...
```

```
Info: Fetching http://192.168.1.108/onie-updater-arm-bcm ...
```

```
Info: Fetching http://192.168.1.108/onie-updater-arm ...
```

```
Info: Fetching http://192.168.1.108/onie-updater ...
```

```
Info: Fetching tftp://192.168.1.108/COA80/onie-updater-arm-accton_as4610_54-r0 ...
```

```
Info: Fetching tftp://192.168.1.108/COA8/onie-updater-arm-accton_as4610_54-r0 ...
```

```
Info: Fetching tftp://192.168.1.108/COA/onie-updater-arm-accton_as4610_54-r0 ...
```

```
Info: Fetching tftp://192.168.1.108/CO/onie-updater-arm-accton_as4610_54-r0 ...
```

```
Info: Fetching tftp://192.168.1.108/C/onie-updater-arm-accton_as4610_54-r0 ...
```

```
Info: Fetching tftp://192.168.1.108/onie-updater-arm-accton_as4610_54-r0 ...
```

```
Info: Fetching tftp://192.168.1.108/onie-updater-arm-accton_as4610_54 ...
```

```
Info: Fetching tftp://192.168.1.108/onie-updater-accton_as4610_54 ...
```

```
Info: Fetching tftp://192.168.1.108/onie-updater-arm-bcm ...
```

```
Info: Fetching tftp://192.168.1.108/onie-updater-arm ...
```

```
Info: Fetching tftp://192.168.1.108/onie-updater ...
```

```
ONIE: Executing installer: tftp://192.168.1.108/onie-updater
```

ONIE Update

■ Update ONIE Automatically

- Just copy the updater file to file server and rename to same as fetching list. Ex. onie-updater
- ONIE will auto update it after get DHCP IP and discover updater file.

```
ONIE: Executing installer: tftp://192.168.1.108/onie-updater
Verifying image checksum ... OK.
Preparing image archive ... OK.
ONIE: Version      : 2016.05.00.04
ONIE: Architecture : arm
ONIE: Machine      : accton_as4610_54
ONIE: Machine Rev  : 0
ONIE: Config Version: 1
Updating ONIE kernel ...
Erasing block: 76/76 (100%)
Writing kb: 4847/4847 (100%)
Verifying kb: 4847/4847 (100%)
Updating ONIE U-Boot ...
Erasing block: 7/7 (100%)
Writing kb: 403/403 (100%)
Verifying kb: 403/403 (100%)
ONIE: Firmware update install successful: tftp://192.168.1.108/onie-updater
ONIE: Rebooting...
```

ONIE Update

■ Update ONIE Manually

- If there is no DHCP server service connect to management port, please setup static IP.
- The static IP maybe remove in every discover cycle, just setting static IP again. Or you can use ONIE rescue mode, the ONIE will not using DHCP.

```
ONIE:/ # ifconfig eth0 192.168.3.100
ONIE:/ # ifconfig
eth0      Link encap:Ethernet  HWaddr E0:07:1B:CB:10:72
          inet addr:192.168.3.100  Bcast:192.168.3.255  Mask:255.255.255.0
          UP BROADCAST MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)
          Memory:ffff00000-ffff20000
```

ONIE Update

■ Update ONIE Manually

- Please press command **update_url** followed by **<file server and file name>** to start update ONIE.

```
ONIE:/ # update_url tftp://192.168.1.108/onie-updater
ONIE: Executing installer: tftp://192.168.1.108/onie-updater
Verifying image checksum ... OK.
Preparing image archive ... OK.
ONIE: Version      : 2016.05.00.04
ONIE: Architecture : arm
ONIE: Machine      : accton_as4610_54
ONIE: Machine Rev  : 0
ONIE: Config Version: 1
Updating ONIE kernel ...
Erasing block: 76/76 (100%)
Writing kb: 4847/4847 (100%)
Verifying kb: 4847/4847 (100%)
Updating ONIE U-Boot ...
Erasing block: 7/7 (100%)
Writing kb: 403/403 (100%)
Verifying kb: 403/403 (100%)
ONIE: Firmware update install successful: tftp://192.168.1.108/onie-updater
ONIE: Rebooting...
```