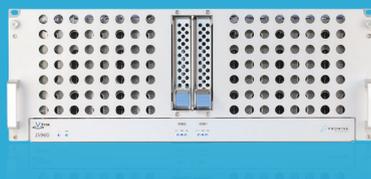




Application Note

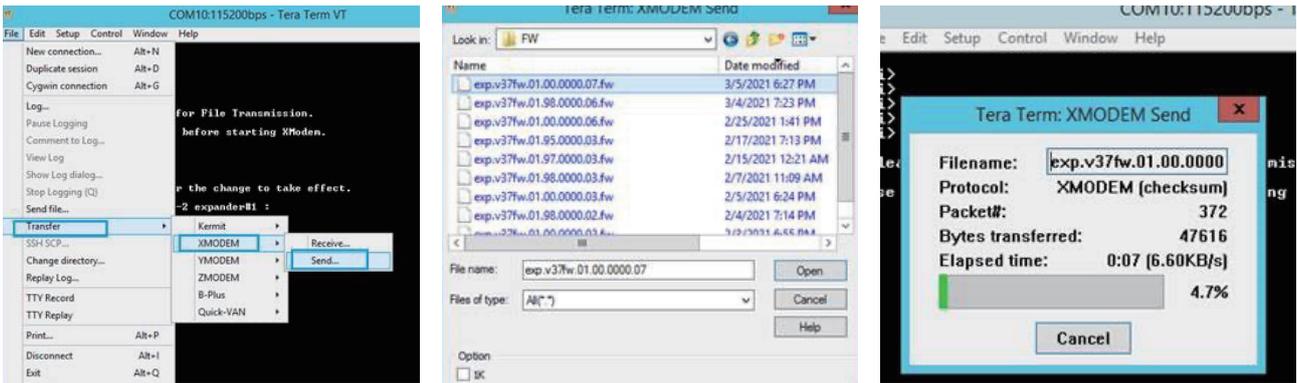
Upgrading VTrak J5960
Firmware Via Serial Console



Version:0.2
Date:2021/09/

Follow the procedure below to upgrade VTrak J5960 firmware:

1. Connect serial console from a Windows Host to the VTrak J5960 IOM1.
2. Use Tera Term in Windows (serial port setting: 115200,8,n,1,n).
3. Power on the VTrak J5960 and execute following CLI command in Tera Term console:
ptiflash -x
4. Use Tera Term to select XMODEM and send the firmware file to IOM.
File > Transfer > XMODEM > Send



The following example is the command execution and logs for ptiflash:

```
cli> ptiflash -x
```

Please Use XModem Protocol for File Transmission.
Use Q Or q to quit Download before starting XModem.

```
Received 1095936Bytes  
Buffer Download Complete
```

Please reboot the system for the change to take effect.

Do image download for level-2 expander :

```
0% is complete  
10% is complete  
20% is complete  
30% is complete  
40% is complete  
50% is complete  
60% is complete  
70% is complete  
80% is complete  
90% is complete  
100% is complete  
Successful
```

Do image download for level-3 expander :

```
0% is complete  
10% is complete  
20% is complete  
30% is complete  
40% is complete  
50% is complete  
60% is complete  
70% is complete  
80% is complete  
90% is complete  
100% is complete  
Successful
```

```
cli>
```

5. When the IOM1 firmware upgrade is Successful, connect the serial console to IOM2 and then repeat step 4 to upgrade Expander FW to IOM2.

6. Execute the following command to restart a dual IOM system when you have completed the IOM2 firmware upgrade.

```
enclosure -m -r 2
```

The following example is the message after restarting a dual IOM system:

```
cli> enclosure -m -r 2
```

Rebooting the system

```
Send SES page to level-2 expander OK!dsk_cnt = 60, board  
Performing POST for Smart Serial
```

```
Boot Cause: Internal Register Reset  
NVSRM installed  
System Internal Register Reset on
```

```
*****  
Promise 4U-SAS-60-D BP v1.00.0000.07  
*****
```

```
cli>
```

7. Reset to the factory default settings and restart a dual IOM again.

```
factorydefaults  
enclosure -m -r 2
```

The following example is a message after restarting a dual IOM:

```
cli> factorydefaults
```

Please reboot the system for the change to take effect.

```
cli> enclosure -m -r 2
```

Rebooting the system

```
Send SES page to level-2 expander OK!  
Send SES page to level-3 expander OK!NVSRM installed  
dsk_cnt = 60, board  
Performing POST for Smart Serial
```

```
Boot Cause: Internal Register Reset  
System Internal Register Reset on
```

```
*****  
Promise 4U-SAS-60-D BP v1.00.0000.13  
*****
```

```
cli>
```



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