Alloc8-X4000 Admin Password Reset Process

Hardware requirements: VGA monitor, keyboard, serial console cable and separate laptop or system with DB-9 serial connection.

Connect keyboard, VGA monitor and serial console cable to the Alloc8 - X4000. Connect the serial console cable to a separate laptop or system running a serial client. Note: Serial connection parameters can be confirmed later in the process when the unit is set up to boot in single user mode.

Caution: the time interval to interrupt the boot sequence and stop the timer after the final Supermicro graphic splash screen in Step 1 is less than 5 seconds. Please read through all of Step 1 before starting the process. Please be ready to hit a key immediately followed up by another keystroke when the final splash screen is displayed.

Step 1: Plug power into X4000 and/or press the power button.

Wait for the system to initialize. The following sequence will be observed on the VGA monitor:

1. Supermicro text splash screen
2. VGA information text screen
3. Supermicro graphic splash screen
4. Intel boot agent text screen
5. Supermicro graphic splash screen (**be prepared to press any key now**)

Press any key (**except Enter**) when the following text is displayed:

Booting, please wait…

Press any key (**except Enter**) again to interrupt the countdown:

Booting, please wait…
..
Default image: 'nomadix-v7.4.1 (4046) (x86_64) 2015/11/27'
Press enter to boot this image, or any other key for boot menu

Booting default image in x second.

Step 2: Use the ↑ and ↓ arrow keys to select the image to boot into. Image **0** will be used here. Once the image is selected, type '**e**' to enter the boot menu:

```
Boot Menu
----------------------------------------------------------------------------------------------------
0: nomadix-v7.4.1 (4046) (x86_64) 2015/11/27
1: nomadix-v7.4.1 (4046) (x86_64) 2015/11/27
2: memtest86+ v1.70
----------------------------------------------------------------------------------------------------

      Use the ↑ and ↓ keys to select which entry is highlighted.
      Press enter to boot the selected image, 'e' to edit the
      Commands before booting, 'a' to modify the kernel arguments
      Before booting, or 'c for a command-line

Highlighted entry is 0:e
```

Step 3: Use the ↑ and ↓ arrow keys to select the **kernel** boot line (shown as **1** below) as the highlighted entry and type '**e**' to edit:

```
Boot Menu

----------------------------------------------------------------------------------------------------
0:  root (hd0,1)
1:  kernel /vmlinuz ro root=/dev/sda5 crashkernel=128M img_id=1 quiet loglevel
=4 panic=10 console=tty0 console=ttyS0,115200n8
----------------------------------------------------------------------------------------------------

      Use the ↑ and ↓ keys to select which entry is highlighted.
      Press enter to boot the selected image, 'e' to edit the
      Commands before booting, 'a' to modify the kernel arguments
      Before booting, or 'c for a command-line

Highlighted entry is 1:e
```

Step 4: The string can now be edited. Type '**single**' at the end of the string at the prompt:

```
[Minimal BASH-like line editing is supported.  For the first word, TAB
Lists possible command completions.  Anywhere else TAB lists the possible
Completions of a device/filename.  ESC at any time cancels.  ENTER
At any time accepts your changes.]

<d=1 quiet loglevel=4 panic=10 console=tty0 console=ttyS0,115200n8 single
```

Press **Enter** to accept the change. The boot menu will be displayed with the change shown. Confirm that the highlighted entry is still the kernel entry and press '**b**' to boot:

```
Boot Menu

----------------------------------------------------------------------------------------------------
0:  root (hd0,1)
1:  kernel /vmlinuz ro root=/dev/sda5 crashkernel=128M img_id=1 quiet loglevel
=4 panic=10 console=tty0 console=ttyS0,115200n8 single
----------------------------------------------------------------------------------------------------

      Use the ↑ and ↓ keys to select which entry is highlighted.
      Press enter to boot the selected image, 'e' to edit the
      Commands before booting, 'a' to modify the kernel arguments
      Before booting, or 'c for a command-line

Highlighted entry is 1:b
```

The X400 will boot, and the VGA console will display output but no longer accept keyboard input. The remainder of the steps are done on the serial console client. The last line of VGA output is shown below:

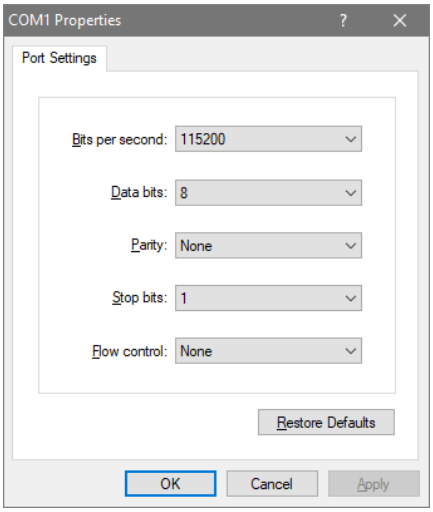
```
…
{initramfs} Booting (/dev/sda5)
```

Step 5: Set up the serial console client using the console settings from the **Boot Menu** screen still shown on the VGA display (**115200n8 with no flow control**) to establish a connection:

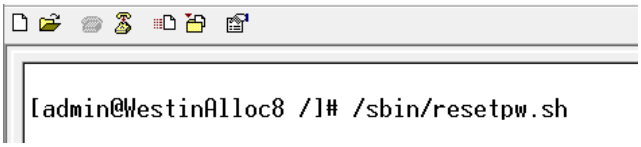
```
0:  root (hd0,1)
1:  kernel /vmlinuz ro root=/dev/sda5 crashkernel=128M img_id=1 quiet loglevel
```

=4 panic=10 console=tty0 console=ttyS0,115200n8 single

Settings for the serial port session:



Step 6: A root user prompt should be displayed on the console client. If not, press '**Enter**'. Type '**/sbin/resetpw.sh**' at the prompt and press '**Enter**':



Step 7: If successful, the 'admin' password will now be reset to the default password. The system can now be restarted by typing '**reboot**' at the command prompt and pressing '**Enter**':