Documentation

- Genesis700 manual
- ShMM-700R Shelf Manager, Users Guide
- ShMM-700R Shelf Manager, External Interface Reference
Installation and earthing of shelf in rack

› The ATCA shelf is mounted in a standard 19" rack (4 screws at the front)

› From the manual
  • Jumper settings as on page 27: 1-2, 3-4, 5-8, 39-40
  • Connected earth as on page 42: we used a copper braid as ground wire, see https://www.digikey.com/product-detail/en/alpha-wire/1223-SV005/A1223SV-100-ND/3702078
ShMM-700R shelf manager & connections

- ShMM-700R shelf manager inserted in the lower slot
- Ethernet connected to LAN port on shelf manager
- Serial (RJ45 to USB) connected in the lower-left port
- Dip switch 1 on the ShMM-700R set as in the picture below
Connecting via serial port & eth0

- **Serial port (see manual on page 55):** 115200,8,N,1
  - Cable: [https://www.amazon.com/gp/product/B0769J9QXP/ref=ppx_yo_dt_b_asin_title_o05_s00?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B0769J9QXP/ref=ppx_yo_dt_b_asin_title_o05_s00?ie=UTF8&psc=1)
  - `minicom -D /dev/tty.usbserial-AK08FUNK -b 115200`

- **Ethernet:**
  - IP address: 10.0.0.202 (subnet mask: 255.255.255.0)
  - login: root (no password)
  - `ssh root@10.0.0.202`

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**On the ShMM-700R:**

```
ifconfig
eth0  Link encap:Ethernet  HWaddr 00:18:49:04:1A:8A
      inet addr:10.0.0.202  Bcast:10.0.0.255  Mask:255.255.255.0
      inet6 addr: fe80::218:49ff:fe04:1a8a/64 Scope:Link
      UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
      RX packets:579 errors:0 dropped:0 overruns:0 frame:0
      TX packets:191 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:70969 (69.3 KiB) TX bytes:22791 (22.2 KiB)
      Base address:0x8000
```

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**On my mac:**

<table>
<thead>
<tr>
<th>Configure IPv4:</th>
<th>Manually</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IP Address:</strong></td>
<td>10.0.0.4</td>
</tr>
<tr>
<td><strong>Subnet Mask:</strong></td>
<td>255.255.255.0</td>
</tr>
</tbody>
</table>
Pigeon Point Shelf Manager Command Line Interpreter
Pigeon Point Shelf Manager ver. 3.4.0
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Build date/time: May 29 2014 16:16:43
Carrier: HPDL/ASIS
Carrier subtype: 0; subversion: 0
Cooling management: Default
Carrier Product ID: ATCA SHELF MANAGER 0007 v0.
Chassis Product ID: ATCA 6U 6/7SL 2000 AC/DC 3 Fans(SP) V1.1