JBOND: Just Bunch of Network Disks

- Truly separate storage from servers, accelerating response in an ever-changing environment
- Improves performance by eliminating layers of antiquated file system software
- Each drive has its own ARM-based processor, memory and redundant Ethernet controllers to provide stable performance
- Ideal for Object data storage, Hyperscale and scale-out storage, Cloud storage arrays and Cloud backup storage applications

New Era of Software Defined Storage
JBOND Is On The Way

4 x 1GbE, 2x 10GbE

ARM based micro-server

SATA

2.5 GbE Interlink

Ethernet Switch

ARM based micro-server

SATA

ARM based micro-server

SATA

ARM based micro-server

SATA
## Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>CMVL-1U12B</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>X86 Server Module (Optional)</strong></td>
<td>Intel® Xeon® processor – Broadwell-DE based on COM Express® Type 6 Basic Module</td>
</tr>
<tr>
<td></td>
<td>Support DDR4-2133 MT/s ECC SDRAM on three SO-DIMM slots, up to 48GB</td>
</tr>
<tr>
<td><strong>ARM Based micro-server</strong></td>
<td>12 x Marvell® Armada® 3720 Dual ARM® v8 1GHz micro-server</td>
</tr>
<tr>
<td></td>
<td>512MB/1GB/2GB DDR4 SDRAM</td>
</tr>
<tr>
<td></td>
<td>4GB/8GB/16GB/32GB eMMC storage</td>
</tr>
<tr>
<td></td>
<td>2 x 2.5 Gbps Ethernet</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td>2 x SATA III (6 Gbps)</td>
</tr>
<tr>
<td></td>
<td>Dual redundant Ethernet switch</td>
</tr>
<tr>
<td></td>
<td>Dual 2 x SFP+ (10Gbps) uplink network</td>
</tr>
<tr>
<td><strong>Management</strong></td>
<td>1 x Gbps out-of-band management port on switch board</td>
</tr>
<tr>
<td></td>
<td>1 x Gbps out-of-band management port on BMC</td>
</tr>
<tr>
<td><strong>PSU</strong></td>
<td>2 x 400/600 Watts 80PLUS Redundant Power Supply</td>
</tr>
<tr>
<td><strong>Chassis</strong></td>
<td>12 x HDD/micro-server status LED on front panel</td>
</tr>
<tr>
<td></td>
<td>Power On/Off switch</td>
</tr>
<tr>
<td><strong>Form factor</strong></td>
<td>1U rack mount form factor</td>
</tr>
<tr>
<td></td>
<td>482(w) x 850(d) x 44(h)mm</td>
</tr>
</tbody>
</table>

### Front View

- 12 x HDD and micro-server status LED
- Redundant Switch Module
- USB and HDMI for x86 system
- GbE and management ports for BMC
- Ethernet out-of-band port and management port
- 4 x RJ45 GbE ports
- 2 x SFP+ 10GbE ports

### Rear View

- Redundant Power Supply

---

**Portwell, Inc.**

Office TH2

Trident House, Trident Park

Hill Road, Didcot, OX11 7HJ, UK

Tel: +44-1235-750760

Fax: +44-1235-750761

E-mail: info@portwell.co.uk

http://www.portwell.co.uk

---

**Portwell India Technology**

Office TH2

2nd Floor, 5M-665, 5TH Main Road, OMBR Layout, Banaswadi, Bangalore -560043, India

Tel: +91-80-41684256

Fax: +91-80-41684255

E-mail: info@portwell.in

http://www.portwell.in