Windows NT - Four MV Intel Servers FCAL
HSG80 – Dual Controller (41U) Rackmount ESA12000

Step1 – Select RM – Choose only one model type from the two below, based on customer requirements

**ESA12000 Overall description of General Business & High Capacity Models**

**Includes:** Datacenter 41U cabinet/rack; 2 – 24 slot enclosures, each with five power supplies (expandable to eight); dual Fibre Channel HSG80 six-channel controllers with 256 MB cache each (expandable to 512 MB each); dual cache battery and cache battery shelf, 1 expansion cable kit; 15-meter host cable; 240 V Power Distribution Unit, power cord and documentation. Holds up to 48 drives, GLMs also included.

**Requires:** (2) HSG80 ACS kits, one host platform kit for each platform type connected, host adapter(s), connectivity options, and disks to be ordered separately.

**Options:** Optical hub(s), cables, UPS, cache upgrade and fully redundant power. See STEP 6 for details.

### General Business Model – 24 Drives

**Description**

**Tip:** Choose one

<table>
<thead>
<tr>
<th>Description</th>
<th>Compaq</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESA12000 Dual Cntrl. Blue</td>
<td>380580-001</td>
</tr>
<tr>
<td>ESA12000 Dual Cntrl. Opal</td>
<td>380580-002</td>
</tr>
</tbody>
</table>

**OR**

### General Business Model – High Capacity – 48 Drives

**Description**

**Tip:** Choose one

<table>
<thead>
<tr>
<th>Description</th>
<th>Compaq</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESA120000 Dual Cntrl. Blue</td>
<td>380600-001</td>
</tr>
<tr>
<td>ESA120000 Dual Cntrl. Opal</td>
<td>380600-002</td>
</tr>
</tbody>
</table>

### Optional Expansion Cab

**Tip:** Dual enclosure expansion cabinet choose one to match color

<table>
<thead>
<tr>
<th>Description</th>
<th>Compaq</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESA12000 No Cntrl. Blue</td>
<td>380640-001</td>
</tr>
<tr>
<td>ESA12000 No Cntrl. Opal</td>
<td>380640-002</td>
</tr>
</tbody>
</table>

### Redundant Power Options: Optional

**Description**

**Tip:** Choose up to three per BA370 enclosure

<table>
<thead>
<tr>
<th>Description</th>
<th>Compaq</th>
</tr>
</thead>
<tbody>
<tr>
<td>180 Watt Power supply</td>
<td>380565-B21</td>
</tr>
<tr>
<td><strong>AC Input Unit</strong></td>
<td>380564-B21</td>
</tr>
<tr>
<td><strong>Tip:</strong> Order one per rack cab</td>
<td></td>
</tr>
<tr>
<td><strong>PDU 60Hz</strong></td>
<td>380582-001</td>
</tr>
</tbody>
</table>

### Cache Upgrades – Optional

**Note:** 256 or 512MB supported only… four slots available for cache… all slots must be of like size

**DIMMS**

**Description**

**Tip:** Add only one per controller (ESA12000 comes with 256 MB per HSG80 Controller)

<table>
<thead>
<tr>
<th>Description</th>
<th>Compaq</th>
</tr>
</thead>
<tbody>
<tr>
<td>256MB – 2x128MB</td>
<td>380674-B21</td>
</tr>
</tbody>
</table>

### Step2 – ACS – Firmware (PCMCIA) Card

**Tip:** One per HSG80 required.

**Description**

**Compaq**
Step 3 – Platform Kit

Note: Includes SWCC
Tip: One per OS type required

Description | Compaq
--- | ---
WNT - Intel | 380551-001

Step 4 – Host Adapter

Note: GLM included
Tip: Order two adapters, one for each system.

Description | Compaq
--- | ---
WNT – Intel | 380574-001

Step 5 – Disks

Description | Compaq
--- | ---
4GB, 7200 RPM, UWSE | 380691-B21
9GB, 7200 RPM, UWSE | DS-RZ1DA-VW
9GB, 10K RPM, UWSE | 380588-B21
18GB, 7200 RPM, UWSE | DS-RZ1EA-VW
18GB, 10K RPM, UWSE | 380589-B21

Step 6 – Hub, GBIC’s and Cables

Note: One Hub required…point to point not supported…(no GBIC’s included)
Tip: When ordering 7 Port Hub also order rackmount hardware.

HUB

Description | Compaq
--- | ---
12 Port Hub | 295573-B22

GBIC and Connection Kit

Tip: Eight GBIC’s required, total, order two kits plus two individual GBIC’s.

Description | Compaq
--- | ---
3 GBIC + 2 – 2M Cables | 380579-B21
GBIC (qty one) | 380561-B21

CABLES - Optional

Note: One 15M cable comes with each ESA12000 and two 2M cables come with the GBIC Kit.
Tip: Order three additional 15M cables for this config.

Description | Compaq
--- | ---
2Meter | 234457-B21
5Meter | 234457-B22
15Meter | 234457-B23
30Meter | 234457-B24
50Meter | 234457-B25

Step 7 – UPS

Description | Compaq
--- | ---
Low Voltage R3000 | 242705-001 w/cord
High Voltage R3000h | 242705-003 w/cord

Note: Actual VA is 2880…uses L5-30P plug
Note: Actual VA is 3000…uses L6-20P plug