

## Windows NT - Four MV Intel Servers FCAL

### HSG80 – Two Dual Controller (41U) Rackmount ESA12000 with Multi-Path Failover (Secure Path)

#### Step1 – Select RM – Choose one.

##### *ESA12000 Overall description of General Business & High Bandwidth Models*

**Includes:** Datacenter 41U cabinet/rack; Two – 24 slot enclosures (BA370), each with five power supplies (expandable to eight); Quad Fibre Channel HSG80 six-channel controllers with 256 MB cache each (expandable to 512 MB each); Quad cache batteries and cache battery shelf, 1 expansion cable kit; two 15-meter host fibre cable; 240 V Power Distribution Unit, power cord and documentation. Holds up to 48 drives, GLMs also included.

**Requires:** (4) 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	Compaq
<i>Tip: Choose one</i>	
ESA12000 Dual Cntrl. Blue	380620-001
ESA12000 Dual Cntrl. Opal	380620-002

<u>Optional Expansion Cab</u>	Compaq
Tip: Dual enclosure expansion cabinet...chose one to match color	
ESA12000 No Cntrl. Blue	380640-001
ESA12000 No Cntrl. Opal	380640-002

##### Redundant Power Options: Optional

Description	Compaq
<i>Tip: Choose up to three per BA370 enclosure</i>	
180 Watt Power supply	380565-B21
<i>Tip: Choose one per BA370 enclosure</i>	
AC Input Unit	380564-B21
<i>Tip: Order one per rack cab</i>	
PDU 60Hz	380582-001

##### Cache Upgrades – Optional

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

Description	Compaq
Tip: Add only one per controller (ESA12000 comes with 256 MB per HSG80 Controller)	
256MB – 2x128MB	380674-B21

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

*Tip: One per HSG80 required.*

Description	Compaq
ACS v8.3	380577-001

### **Step3 – Platform Kit**

*Note: Includes SWCC*

*Tip: One per OS type required*

<b>Description</b>	<b>Compaq</b>
WNT - Intel	380551-001

### **Step4 – Host Adapter**

*Note: GLM included*

*Tip: Order eight adapters, two for each system.*

<b>Description</b>	<b>Compaq</b>
WNT – Intel	380574-001

### **Step5 - Disks**

<b>Description</b>	<b>Compaq</b>
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

### **Step6 – Hub, GBIC's and Cables**

*Note: One Hub required...point to point not supported...(no GBIC's included)*

*Tip: Order two Hub.*

#### **HUB**

<b>Description</b>	<b>Compaq</b>
12 Port Hub	295573-B22

#### **OR**

7 Port Hub	234453-001
7 Port Rack Kit	242795-B21

NOTE: One Rack kit holds two hubs

### **GBIC and Connection Kit**

*Tip: Twelve GBIC's required, total, order two kits and six individual GBIC's.*

<b>Description</b>	<b>Compaq</b>
3 GBIC + 2 – 2M Cables	380579-B21
GBIC Optical (one)	380561-B21

### **CABLES - Optional**

*Note: One 15M cable comes with each set of dual controllers.*

*Tip: Order six additional 15M cables for this config.*

<b>Description</b>	<b>Compaq</b>
2Meter	234457-B21
5Meter	234457-B22
15Meter	234457-B23
30Meter	234457-B24
50Meter	234457-B25

**Step7 – UPS**

<b>Description</b>	<b>Compaq</b>	
Low Voltage R3000	242705-001	w/cord
<i>Note: Actual VA is 2880...uses L5-30P plug</i>		
High Voltage R3000h	242705-003	w/cord
<i>Note: Actual VA is 3000...uses L6-20P plug</i>		