

# **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***

<b>Description</b>	<b>Compaq</b>	
<i>Tip: Choose one</i>		
ESA12000 Dual Cntrl. Blue	380580-001	
ESA12000 Dual Cntrl. Opal	380580-002	DS

OR

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

<b>Description</b>	<b>Compaq</b>	
<i>Tip: Choose one</i>		
ESA120000 Dual Cntrl. Blue	380600-001	
ESA120000 Dual Cntrl. Opal	380600-002	

#### **Optional Expansion Cab**                      **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**

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

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

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

*Tip: One per HSG80 required.*

<b>Description</b>	<b>Compaq</b>
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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 – Secure Path**

*Tip: One per Raid Array*

<b>Description</b>	<b>Compaq</b>
Secure Path v2.0	380594-001

### **Step5 – Host Adapter**

*Note: GLM included*

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

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

### **Step6 - 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

### **Step7 – Hub, GBIC's and Cables**

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

*Tip: When ordering 7 Port Hub also order rackmount hardware.*

#### **HUB**

<b>Description</b>	<b>Compaq</b>
12 Port Hub	295573-B22
Or	
7 Port Hub	234453-001
Rackmount Kit	242795-B21

#### **GBIC and Connection Kit**

*Tip: Ten GBIC's required, total, order one kit plus seven individual GBIC's.*

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

#### **CABLES - Optional**

*Note: One 15M cable comes with each ESA12000 and two 2M cables come with the GBIC Kit.*

*Tip: Order seven 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

**Step8 – 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>		