

TotalPlant Solution (TPS) System

HPM
High-Performance Process Manager
Service

HP13

R690

September 2021

Release R690

Table 88 Non-Conformally Coated HPM ORU Parts List

Name	Description	Part Number
AC/DC Distribution Assembly	AC Only power control and distribution board 230 Vac dual PSMs	51401135-300
AC/DC Distribution Assembly	AC Only power control and distribution board 230 Vac single PSM	51401135-400
CMOS Battery Backup Assembly	PM/APM PS Charger/monitor for CMOS memory	51303968-100
	HPM PS Charger/monitor for CMOS memory	51309206-100
HPMM CARDS/MODULE		
High-Performance Comm/Control	HPMM Communications/Control card	51401635-100 (obsolete) 51403988-150
High-Performance I/O Link	HPMM I/O Link Interface card	51309276-150 51307190-150
HPM UCN Interface	HPMM UCN Interface module	51402573-100 (obsolete) 51402573-250 (obsolete) 51402573-450
IOP CARDS		
HLAI IOP (MU-PAIH02)	High Level Analog Input card (Replaced by 51304754-100)	51304489-100
HLAI IOP (MU-PAIH03)	High Level Analog Input card	51304754-100
LLAI IOP (MU-PAIL02)	Low Level Analog Input card	51304481-100
LLMux IOP (MU-PLAM02)	Low Level Multiplexer card	51304362-100
RHMUX (MU-PRHM01)	Remote Hardened Low Level Multiplexer card	51404109-125
DI IOP (MU-PDIX02)	Digital Input card	51304485-100
DI IOP (MU-PDIY22)	Digital Input card	80363972-100
AO IOP (MU-PAOX02)	Analog Output	51304483-100
AO IOP (MU-PAOX03)	Analog Output card (Replaced by 51309152-175)	51304672-100
AO IOP (MU-PAOX03)	Analog Output card (Conformally Coated)	51309152-175
AO IOP (MU-PAOY22)	Analog Output card	80363969-100
DO IOP (MU-PDOX02)	Digital Output card	51304487-100
DO IOP (MU-PDOY22)	Digital Output card	80363975-100
STI IOP (MU-PSTX02)	Smart Transmitter Interface card (Replaced by 51304516-200)	51304516-100

Conformally coated ORU parts list

The following table is a parts list of conformally coated HPM ORU assemblies.

Table 89 Conformally Coated HPM ORU Parts List

Name	Description	Part Number
POWER SYSTEM COMPONENTS		
Power Supply Module	Standard 20 A Power Supply Module (Replaced by 51198651-100)	51109456-200 (obsolete)
Power Supply Module	AC Only 8 A Power Supply Module	51190465-150
Power Supply Module	AC Only 16 A Power Supply Module	51190465-250
48 V Battery Backup	48 V Battery Pack assembly	51303948-100
Power System Backpanel Assy	PM/APM Power System backpanel	51401166-150
Power System Backpanel Assy	HPM Power System backpanel	51404172-150
AC/DC Distribution Assembly	AC Only power control and distribution board 115 Vac dual PSMs	51401135-150
AC/DC Distribution Assembly	AC Only power control and distribution board 115 Vac single PSM	51401135-250
AC/DC Distribution Assembly	AC Only power control and distribution board 230 Vac dual PSMs	51401135-350
AC/DC Distribution Assembly	AC Only power control and distribution board 230 Vac single PSM	51401135-450
CMOS Battery Backup Assembly	PM/APM Charger/monitor for CMOS memory	51303968-150
CMOS Battery Backup Assembly	HPM PS charger/monitor for CMOS memory	51309206-150
HPMM CARDS/MODULE		
High-Performance Comm/Control	Communications/Control card	51401635-150 (obsolete) 51403988-150
High-Performance I/O Link	I/O Link Interface card	51309276-150
HPM UCN Interface	UCN Interface module	51402573-100 (obsolete) 51402573-250 (obsolete) 51402573-450
IOP CARDS		
HLAI IOP (MC-PAIH02)	High Level Analog Input card	51304489-150
HLAI IOP (MC-PAIH03)	High Level Analog Input card	51304754-150
LLAI IOP (MC-PAIL02)	Low Level Analog Input card	51304481-150
LLMux IOP (MC-PLAM02)	Low Level Multiplexer card	51304362-150

EUCN Parts list

The EUCN spare parts are listed in Table 83 EUCN Parts List for easy reference. Information about these parts can be found in the *High-Performance Process Manager Installation* and the *Universal Control Network (UCN) Planning* manuals.

Table 83 EUCN Parts List

Name	Description	Part Number
Enhanced High-Performance Comm/Control	EHPM Communications/Control card	51454192-150
Enhanced High-Performance FTE Interface	EHPM FTE Interface	51454307-100
Control Firewall (CF9)	Control Firewall (8 ports + 1 uplink)	CC-PCF901
Control Firewall IOTA	Control Firewall IOTA	CC-TCF901
8-port switch	8-port switch	NE-SW508S
8-port copper expansion module	8-port copper expansion module	NE-SW58TM
8-port fiber expansion module	8-port fiber expansion module	NE-SW58FM
EPNI2	Enhanced Process Network Interface, EPNI2	51454196
EPNI2 I/O	Enhanced Process Network Interface I/O, EPNI2 I/O	51306816
HPM I/O Link	PWA,HPM I/O Link	51309276-150
HPM I/O Link	PWA,HPM I/O Link	51307190-150
FTE IF Module	FTE IF Module Assembly	51454307-100
Cross Over Cable with White Boots	100-Base- T Cross Over Cablewith White Boots, 2Mtr Length For FTE Redundancy	51305786-502
FTE Cable A	FTE Cable A (Yellow)	51305482-xxx
FTE Cable B	FTE Cable B (Green)	51305482-xxx