ART. GROUP 733

INDUSTRIAL AUTOMATION 1985

INDUSTRIAL DATA-PROCESSING MODULES

P 800 PREFERRED ITEMS CATALOGUE

(INCL. M.I.O.S. 6 CATALOGUE)

Industrial &
Electro-acoustic Systems

PHILIPS

Article Group 733

Price list valid from 1985-01-01 in Hfl. per item

Typenumber	Description	B.J.P.	Basic
	P851 Euroboard computers with GPBs bus.		
	Philips Data Systems has moved all P851 equipment from the A- to the B-class, thus for these items there is no longer regular production. The P871 has been provided as a replacement for the P851. S&I has evaluated the SRTM on this new processor and no problems were found. We have not yet planned further evaluation of the P871.		
	a) Computers.		
P851-100/01	P851 Basic System with 12 general purpose slots and minipanel card.	7.080,00	13.800,00
P851-100/11	P851 Basic System with 12 general purpose slots and full control panel.	7.080,00	13.800,00
	b) Options and accessories.		
P851-020	I/O processor (IOPZ). High speed multiplex data channel. Automatic control of data exchange on cycle stealing basis. Requires 1 memory cycle per data transfer. Maximum throughput is 300k words/sec. 8 subchannels standard.	567,00	1.100,00
P843-053	General purpose initial program loader. Bootstrap excluding ASR and ROM, mounted in sockets on CPU-card.	15,20	29,00
P843-054	General purpose initial program loader. Bootstrap excluding disc and floppy, mounted in sockets on CPU-card. When ordered with the system it replaces the standard IPL.	19,29	37,00
P851-049	Central processor cover plate associated with full control panel.	59,00	115,00
P851-048	Central processor front cover. To be used when no full control panel is required.	105,00	204,00
P843-500	Hand Held Control Panel (for P851-200 basic systems only !).	886,00	1.720,00
P843-550	Cable of 7 m between basic system front cover and hand held control panel (for P851-200 basic systems only !).	177,00	345,00
P843-551	Cable of 3 m between basic system front cover and hand held control panel (for P851-200 basic systems only !).	177,00	345,00

Price list valid from 1985-01-01 in Hfl. per item

Typenumber	Description	B.J.P.	Basic
P843-107	Bus-translator (IOTZ) to adapt the P851 GPB"s" bus to the GPB bus.	935,00	1.820,00
P851-046	Battery pack for power supply back-up during power failures, which can be mounted in a dedicated slot of the P851-100 basic systems. The capacity is 2 AH and the charging time is 48 hours.	464,00	904,00
P851-050	Cable support rack and panel.	120,00	234,00
	c) Memory modules.		
P851-016	16k16 RAM memory module, 0.56 /usec max. access time.	1.250,00	2.430,00
P851-017	32k16 RAM memory module, 0.56 /usec max. access time.	2.150,00	4.190,00
P844-016	8k16 RAM-CMOS memory module with battery on-board, 0.64 /usec max. access time on UPL-bus.	2.110,00	4.110,00
P851-012	32k16 EPROM memory module for use of (not included) 2732 or 2732A chips.	907,00	1.760,00
P843-012	Programming tool for P851-010 and P851-012 EPROM memory modules.	1.320,00	2.570,00

Price list valid from 1985-01-01 in Hfl. per item

Typenumber	Description	B.J.P.	Basic
	P854 Euroboard computers with UPL bus. **P874 Euroboard computers with UPL bus.**		
	Philips Data Systems has moved the P854 to the B#-class which means that it enters the last year of availability. The P854 has been replaced by the P874. From a processor point of view both computers are equal, they differ only in mechanical lay-out and power supplies. Especially the power supply has been modified to provide extra power to use the P874 in combination with Winchester discs and streamer tapes.		
	a) Computers.		
P854-300/41	P854 Basic System with 9 free general purpose slots, including a control panel interface for either hand held control panel or extended digital control panel. It includes a filter board and battery. A cable support rack (P851-050) and a ventilation unit (P843-200) is strongly recommended.	11.000,00	21.400,00
P854-300/51	P854 Basic System with 9 free general purpose slots, including a control panel interface for either hand held control panel or extended digital control panel. It includes a filter board and 2 batteries. A cable support rack (P851-050) and a ventilation unit (P843-200) is strongly recommended.	11.000,00	21.400,00
P854-400	P854 Basic System with 20 free general purpose slots, power supplies PSUB1E and PSUM, battery back-up, filter board, ventilation unit and control panel for either hand held control panel or extended digital control panel.	15.400,00	30.000,00
P874-300	P874 Basic System with 9 free general purpose slots including mains filter, battery back-up, control panel interface for either hand held control panel or extended digital control panel, facility for connection of Winchester disc drives. A ventilation unit is mandatory if the system is mounted in a cabinet, otherwise it is strongly recommended.	11.400,00	22.200,00
P874-400	P874 Basic System with 20 free general purpose slots including power supplies PSUB1E and PSUM, battery back-up, filter board PSUBB, ventilation unit, control panel interface for either hand held control panel or extended digital control panel, facility for connection of Winchester disc drives.	15.800,00	30.800,00

Price list valid from 1985-01-01 in Hfl. per item

Typenumber	Description	B.J.P.	Basic
	b) Options and accessories.		
P843-500	Hand Held Control Panel.	886,00	1.720,00
P843-501	Basic system front cover with place and lock mechanism for hand held control panel. Includes cable between cover and CPU. 4U Height.	412,00	803,00
P843-502	Logic rack front cover for P854 and P874-400. 6U Height.	237,00	462,00
P843-503	Basic system front cover of 4U height. To be used when no control panel is required.	206,00	401,00
P843-504	Logic rack front cover for P874-300. 6U height.	##,##	##,##
P843-510	Basic sytem front cover including digital extended control panel and cable between control panel and CPU. 4U height.	1.650,00	3.210,00
P843-550	Cable of 10 m between basic system front cover and hand held control panel.	177,00	345,00
P843-551	Cable of 3 m between basic system front cover and hand held control panel.	177,00	345,00
P843-552	Cable between CPU and hand held control panel. 3 m.	177,00	345,00
P843-117	Bus-translator (TUGP) to adapt the P854/P874 UPL bus to the GPB bus. Including break lines cables (3m).	870,00	1.690,00
P854-020	Floating point processor performing high speed arithmetic operations on 48-bit operands. Attention : 2 slots needed.	3.000,00	5.850,00
P851-050	Cable support rack and panel.	120,00	234,00
P843-200	Ventilation unit which is highly recommended to ensure forced cooling of the P854-300 and P874-300 basic systems.	746,00	1.450,00
P843-400	Power supply module (PSU81E) to extend power for logic in P854/874-400 configurations. Power available : +5VL/30A.	2.770,00	5.400,00
P843-402	Power supply module (PSUM) to extend power for memory in P854/874-400 configurations. Power available : +5VM/3.0A, +12VM/1.5A.	1.160,00	2.260,00

Price list valid from 1985-01-01 in Hfl. per item

Typenumber	Description	B.J.P.	Basic
	c) Memory modules.		
P851-016	16k16 RAM memory module, 0.56 /usec max. access time. P854 only !	1.250,00	2.430,00
P851-017	32k16 RAM memory module, 0.56 /usec max. access time. P854 only !	2.150,00	4.190,00
P844-016	8k16 RAM-CMOS memory module with battery on-board, 0.64 /usec max. access time on UPL-bus.	2.110,00	4.110,00
P843-608	128k21 RAM memory module, 0.35 /usec max. access time.	5.260,00	10.200,00
P851-012	32k16 EPROM memory module for use of (not included) 2732 or 2732A chips.	907,00	1.760,00
P843-012	Programming tool for P851-010 and P851-012 EPROM memory modules.	1.320,00	2.570,00
	P870 Single Board Computer.		
	a) Computers.		
P870-001/02	Single Board Computer (SBC) with tin plated sockets. CPU based on SP16C microprocessor. GPB"s" or UPL bus compatible. Sockets (tin plated !) for 6k16 or 12k16 PROM, type 2716 or 2732 INTEL chips. 4k16 RAM on board. The on-board memory can be disconnected to permit use of external memory via the bus. 32 digital input/output lines. 3 counter/timers. Serial V24 or current loop interface for asynchronous transmission. Real time clock. Power failure/auto restart. Interface to control panel through an extension card. Automatic start-up and possibility of on-board sequencing. Double Euro-card format. The TSBC card (P870-570) is mandatory to use an hand help panel. All slave control-units available for the P851 and P854 are also suitable for the P870.	2.010,00	3.910,00
P870-256/11	P870 Basic System with SBC-card, 5 free general purpose slots and power supply with filter.	6.620,00	12.900,00
P870-256/41	P870 Basic System with SBC-card, 5 free general purpose slots and power supply with filter and battery.	6.620,00	12.900,00
P870-356/11	P870 Basic System with SBC-card, 11 free general purpose slots and power supply with filter.	7.650,00	14.900,00

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Typenumber	Description	B.J.P.	Basic
P870-356/41	P870 Basic System with SBC-card, 11 free general purpose slots and power supply with filter and battery.	7.650,00	14.900,00
	Note : The P870 SBC can also be used in a PC1785/00 rack. Order for this purpose also a power sequencer board (4022 770 29091) to be mounted in this rack.		
P870-570	SBC testtool (TSBC) which supports the functions of the hand held panel including the preset address facility. 50 cm of cable are included. The tool occupies 1 slot.	1.840,00	3.580,00
	b) Options and accessories.		
P851-020	I/O processor (IOPZ). High speed multiplex data channel. Automatic control of data exchange on cycle stealing basis. Requires 1 memory cycle per data transfer. Maximum throughput is 300k words/sec. 8 subchannels standard.	567,00	1.100,00
P843-500	Hand Held Control Panel.	886,00	1.720,00
P843-117	Bus-translator (TUGP) to adapt the P870 UPL bus to the GPB bus.	870,00	1.690,00
	c) Memory modules.		
P851-016	16k16 RAM memory module, 0.56 /usec max. access time.	1.250,00	2.430,00
P851-017	32k16 RAM memory module, 0.56 /usec max. access time.	2.150,00	4.190,00
P844-016	8k16 RAM-CMOS memory module with battery on-board, 0.64 /usec max. access time on UPL-bus.	2.110,00	4.110,00
P851-012	32k16 EPROM memory module for use of (not included) 2732 or 2732A chips.	907,00	1.760,00
P843-012	Programming tool for P851-010 and P851-012 EPROM memory modules.	1.320,00	2.570,00

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Typenumber	Description	B.J.P.	Basic
	Peripheral equipment and controllers.		
	1) Punched tape equipment.		
	Punched tape equipment is no longer available. If there is still interest to order this kind of equipment, please contact the logistics department.		
P840-141	Control unit for punched tape reader and tape punch (TRPZ). Power consumption : +5VL,1.2A. Mounting code : 1 slot.	557,00	1.080,00
	2) Cardreader and lineprinter equipment.		
	The Philips matrix lineprinters X1415 and X1425 are no more in production and almost sold out. A limited quantity is still available. These printers can be replaced by Printronix printers type 300 and 600 which have been tested with CU P840-103. Cables can be prepared on special request.		
PC1609/00	Matrix lineprinter 400 lpm. 132 columns, 64 character set, Data Products interface. Philips type X1425. (Limited stock).	13.000,00	33.000,00
P840-103	Control unit for card reader and lineprinter (CRLPZ). Data Products interface compatible. Power consumption : +5VL,1A. Mounting code : 1 slot.	685,00	1.330,00
4022 422 3554.1	Cable 7.5m between CU P840-103 and PC1609/00	325,00	700,00
	3) "V24-interface" equipment.		
	a) Video Displays.		
P816-010	Video display terminal, asynchronous, 96 characterset, 24 lines of 80 characters, dual intensity, cursor addressing, 12 inch screen, white characters, blinking, blanking, underlining, hardcopy facility, hardware/software selectable functions, character mode transmission, V24 interface, video outlet port, power supply 100-240 V, 50/60 Hz.	2.270,00	4.420,00
P816-020	Video display terminal, asynchronous, 96 characterset, 24 lines of 80 characters, dual intensity, cursor addressing, 12 inch screen, white characters, blinking, blanking, underlining, hardcopy facility, hardware/software selectable functions, character and block mode transmission, split screen facility, read/write line and straps, editing functions, V24 interface, video outlet port, power supply 100-240 V, 50/60 Hz.	2.340,00	4.560,00

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Typenumber	Description	B.J.P.	Basic
P818-010	Video display terminal, asynchronous, 96 characterset, 24 lines of 80 characters, dual intensity, cursor addressing, 15 inch screen, white characters, blinking, blanking, underlining, hardcopy facility, hardware/software selectable functions, character mode transmission, V24 interface, video outlet port, power supply 100-240 V, 50/60 Hz.	2.340,00	4.560,00
P818-020	Video display terminal, asynchronous, 96 characterset, 24 lines of 80 characters, dual intensity, cursor addressing, 15 inch screen, white characters, blinking, blanking, underlining, hardcopy facility, hardware/software selectable functions, character and block mode transmission, split screen facility, read/write line and straps, editing functions, V24 interface, video outlet port, power supply 100-240 V, 50/60 Hz.	2.410,00	4.690,00
P818-051	Alphanumeric keyboard TTY oriented, including control keys and cable, for P816-010 and P818-010	413,00	805,00
P818-052	Alphanumeric keyboard TTY oriented, including numeric pad, function keys, indicator lights and cable, for P816-020 and P818-020	478,00	932,00
P818-100	Plug-in current loop interface, 20, 40 or 60 mA, with/without current source. Can be used in any P816/818.	401,00	781,00
P816-120	Swivel stand for P816.	177,00	345,00
P818-120	Swivel stand for P818.	177,00	345,00
PC1412/70	Short cable to be connected to the P816/818 video display terminal for P800 applications (adapter to standard interface cables).	86,00	191,00
	b) Typewriters and printers.		
PC1409/01	Teletypewriter 30 cps, 132 columns, V24 interface (KSR43).	5.160,00	10.000,00
PC1409/10	Papertape reader and punch unit for connection to PC1409/01, 30 cps, V24 interface.	5.100,00	10.000,00
PC1409/30	Pedestal for PC1409/01 with/without PC1409/10.	420,00	840,00

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Typenumber	Description	B.J.P.	Basic
PC1425/00	General printer, width 340 mm., needle technique with a 9x9 matrix (300 cps) up to a 18x25 matrix (80 cps). 141 characterset, upper and lower case, paper low indicator, ink-like printhead, automatic copy control, tractor feed, automatic single sheet handler. V24 interface.	4.390,00	9.750,00
PC1425/01	As PC1425/00 but a max. width of 400 mm.	4.820,00	10.700,00
PC1412/50	Cable to adapt PC1425 to standard P800 cables.	82,00	164,00
PC1427/00	Compact serial dot matrix printer, equiped with two modes and red/black printing. Printing speed : 200 cps, 7x9 matrix (data processing mode) or 50 cps, 18x40 matrix (word processing mode). Linespacing : 6 or 8 lpi. Characterspacing : 10 or 16.5 cpi. Elongated characters. Red/black printing. Tractor feed and form length selection. RS232C interface with busy indication and DEC Xon/Xoff protocol. Transmission speed up to 9600 baud. Type : Mannesmann/Tally MT1802 NLQ.	6.800,00	13.600,00
PC1428/00	Matrix printer 7x9, 80 cps, 96 ASCII character set, 5-10-16.5 cpi, 6 or 8 lpi, short and long line, tractor feed, RS232 interface with busy signal, up to 132 cpl (compressed). Transmission speed up to 9600 baud. Type : Microline M80.	1.870,00	3.740,00
PC1428/10	Matrix printer 7x9, 120 cps, several charactersets, bidirectional printing, vertical tab, form feed and form length selection. 5-10-16.5 cpi, 6 or 8 lpi, short and long line, tractor feed, RS232 interface with busy signal, up to 132 cpl (compressed). Transmission speed up to 9600 baud. Type : Microline M82A.	1.750,00	3.500,00
PC1428/20	Matrix printer 7x9, 120 cps, several charactersets, bidirectional printing, vertical tab, form feed and form length selection. 5-10-16.5 cpi, 6 or 8 lpi, tractor feed, RS232 interface with busy signal and 2 Kbyte buffer. Full 132 cpl. Transmission speed up to 9600 baud. Type : Microline M83A.	2.830,00	5.660,00
PC1412/60	Cable to adapt PC1428/xx printers to standard P800 cables.	84,00	168,00
PC1412/80	Cable to connect PC1428/xx printers to P816/818 video display terminals (to perform the print option).	98,00	196,00

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Typenumber	Description	B.J.P.	Basic
	c) Colour Video Displays.		
PC1645/00	Semi-graphical colour display terminal (ISG8001-G)	13.300,00	24.000,00
PC1645/01	High resolution graphics colour display terminal (ISC8001-R)	19.000,00	34.200,00
	d) V24-interface controllers.		
P845-140	Control unit for serial data transfer (SCUZ). Interface according to CCITT recommendations V24 and V28 or current loop (TTY), speed selectable from 110, 150, 300, 600, 1200, 2400, 4800 and 9600 bits/sec. Mounting code : 1 slot. Power consumption : +5V/0.5A; +12VL/0.025A; -12VL/0.045A.	492,00	959,00
P845-145	Control unit for serial data transfer (ASCU4Z). Interface according to CCITT recommendations V24 and V28, for 4 half-duplex or 2 full-duplex asynchronous local connections, speed selectable from 110, 150, 200, 300, 600, 1200, 2400, 4800 and 9600 bits/sec. Mounting code : 1 slot. Power consumption : +5V/1.75A; 12VL/0.05A; -12VL/0.03A.	1.980,00	3.860,00
	e) V24-Cables.		
	The "V24-interface" equipment listed here above is delivered in such a way that it can directly fit to the cables listed here below. For P816, P818, PC1425 and PC1428 an adapter-cable is necessary.		
PC1410/11	Cable to connect V24 device to a SCUZ.	94,00	198,00
PC1410/61	Cable to connect V24 device (except PC1425) to a SALCUZ.	121,00	242,00
PC1410/62	Cable to connect PC1425 to a SALCUZ.	121,00	242,00
PC1410/71	Cable to connect V24 device to an ASCU4Z.	128,00	256,00
PC1414/20	Cable to connect V24 device to P870-SBC.	111,00	222,00
PC1414/30	Cable to connect V24 device to P854 CPU.	103,00	206,00

Typenumber	Description	B.J.P.	Basic
	4) Disc equipment.		
	The Philips Data Systems moving head disc drives X1215 and X1216 are no longer available. In the P800 catalogue from PDS you will find replacements for these items like hard disc drives (64 and 96 Mbyte) and winchester disc of 5.25" and 8". Due to the fact that the necessary software for this equipment has not yet been released, we are not yet able to recommend those items as preferred in our S&I catalogue. We keep you informed about the situation.		
PC1558/52	Cartridge for PC1526/00.	194,00	430,00
P824-140	Control unit for up to 2 moving head disc drives P824-014 (CDDZ). To be connected via IOP. Mounting code : 1 slot. Power consumption : +5VL/2.45A.	5.790,00	11.200,00
P825-008/04	Moving head cartridge disc drive, 80 Mbyte, sector length by software control, average access time 30 msec, latency 8.33 msec, 3600 rpm, data transfer rate 9.67 Mbps, including 7m cable, free standing quietizing cabinet (CDC type 9762).	30.700,00	59.800,00
PC1558/60	Cartridge for P825-008 (CDC type 9877).	1.300,00	2.900,00
P825-141	Control unit for up to 4 P825-008 disc units (DFP-C). Including DMA facility and data chaining of variable record length format. Mounting code : 2 slots (only in P854/874-400 models). Power consumption : +5VL/8.4A; -5VL/0.7A.	9.200,00	17.900,00
	5) Floppy disc equipment.		
P830-010	Equipment shelf for up to 2 floppy disc drives P830-015/035. Mounting code : 6U. Including power supply.	2.110,00	4.110,00
P830-015	Floppy disc drive, .25 Mbyte, IBM 3740 format, with doorlock, CDC type 9406. To be mounted in equipment shelf P830-010.	2.330,00	4.540,00
P830-035	Floppy disc drive, 1 Mbyte, IBM 34-2 format, with doorlock, CDC type 9406. To be mounted in equipment shelf P830-010.	2.400,00	4.500,00
PC1557/00	10 diskettes for P830-015, IBM pre-formatted.	92,00	205,00
PC1557/10	10 diskettes for P830-035, IBM pre-formatted.	114,00	253,00

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Typenumber	Description	B.J.P.	Basic
P830-150/01	Control unit for up to 2 floppy disc drives P830-015 or P830-035 (F1MZ). Mounting code : 1 slot. Power consumption : +5VL/2.0A. IOP required.	1.750,00	3.190,00
P830-150/05	Control unit for up to 4 floppy disc drives P830-015 (F1MZ). Mounting code : 1 slot. Power consumption : +5VL/2.0A. IOP required.	1.750,00	3.190,00
	6) Magnetic tape equipment.		
	Due to lack of interest for magnetic tape equipment we cancelled it from our preferred catalogue. If this equipment is required, please refer to the full P800 catalogue. A streamer cartridge drive with appropriate control unit is available from the full P800 catalogue. Evaluation of this device was not yet possible as the necessary software was not yet released.		
	7) Cassette tape equipment.		
	All cassette tape equipment has been removed from the catalogue, due to lack of interest for this type of equipment.		
PC1597/01	Tape cassettes for PC1580/01.	9,00	25,00
	Datacommunication equipment. **a) Controllers.**		
P845-160	Control unit for 1 synchronous or 1 asynchronous line (SALCUZ), full or half duplex connection, selectable transmission speed : asynchronous : 110, 200, 300, 600, 1200, 2400, 4800 and 9600 bps synchronous : 1200, 2400, 4800, 9600 and 19200 bps Mounting code : 1 slot. Power consumption : +5VL/1.5A; +12VL/0.05A; -12VL/0.09A.	1.350,00	2.630,00
P845-170	Control unit for 1 synchronous line (SLCUZ), full or half duplex connection, transmission speed up to 4.8 Kbps in full duplex and 9.6 Kbps in half duplex mode. Special character recognition. CRC/VRC/LRC generation and check. Remote control of modem loops. Interface according to V24/V28 recommendations. Mounting code : 1 slot. Power consumption : +5VL/1.9A; +12VL/0.06A; -12VL/0.045A. Attention : Interrupt connection is done by backplane wiring. To make use of the serial coded interrupt feature of the bus, order chip 8709 013 00114 which can be optionally inserted on the controller.	2.120,00	4.130,00

Price list valid from 1985-01-01 in Hfl. per item

Typenumber	Description	B.J.P.	Basic
P845-180	Asynchronous medium speed line multiplexer (AMA4Z) for 4 full duplex or half duplex connections from 75 to 19200 bps with interface according to CCITT V24/V28 recommendations. Mounting code : 1U. Power consumption : +5VL/2.8A; +12VL/0.15A; -12VL/0.15A.	††,††	††,††
P845-110	Control unit for high level data link procedure (HLVCUZ), for one full or half duplex connection up to 100.000 bps inplant and 20.000 bps outplant with interface according to CCITT V24/V28 recommendations. Control unit using frame structures according to HDLC/SDLC standards. Including facilities such as modem loops and automatic address field detection. Mounting code : 1 slot. Power consumption : +5VL/2.5A; +12VL/0.05A; -12VL/0.05A.	1.750,00	3.410,00
	b) Auxiliary equipment.		
P849-029	Modem panel for 16 synchronous/asynchronous external connections, meant for Cannon type connectors. Mounting code : 2U.	162,00	315,00
	c) Cables.		
P849-514	Cable 7.5m between line CU (SALCUZ/HLCUZ) and V24 modem.	355,00	692,00
P849-346	Cable 7.5m between modem panel and V24 modem.	382,00	744,00
P849-359	Cable 1.5m between modem panel and ASCU4Z.	527,00	1.020,00
P849-360	Cable 1.5m between modem panel and SALCUZ/HLCUZ.	552,00	1.070,00
P849-734	Cable with connector to modem panel, other side open ended.	307,00	598,00
	Maintenance equipment.		
P843-350	Extension card for testing single-Euro-cards outside the rack (P851).	326,00	635,00
P843-351	Extension card for testing double-Euro-cards outside the rack.	387,00	754,00
P843-352	Extension card for P851 power regulator card.	242,00	471,00

Price list valid from 1985-01-01 in Hfl. per item

Typenumber	Description	B.J.P.	Basic
	Cabinets and accessories.		
PC1016/00	39U cabinet with side walls. No rear door.	##,##	##,##
PC1017/00	39U extension cabinet without side walls. No rear door.	##,##	##,##
PC1018/00	Rear door without ventilation for PC1016 or PC1017.	##,##	##,##
PC1019/00	Rear door with ventilation for PC1016 or PC1017.	##,##	##,##
PC1031/00	Stabilizer for PC1016 or PC1017.	##,##	##,##
PC1030/30	Desk styled rack with 14E mounting space at one side.	2.080,00	4.160,00
PC1030/40	Desk styled rack with 14E mounting space at both sides.	2.460,00	4.920,00
PC1050/15	Mains switch panel for 1 phase. 2U.	1.180,00	2.400,00
PC1050/25	Mains switch panel for 1 phase, including ventilation. 4U.	1.650,00	3.400,00
PC1050/50	Mini mains switch panel for PC1030 desks. 1U.	459,00	920,00
PC1053/17	Air circulation unit. 1U.	486,00	1.000,00
PC1054/02	Mains filter 2A.	169,00	340,00
PC1054/05	Mains filter 5A.	169,00	340,00
PC1054/10	Mains filter 10A.	183,00	380,00
PC1055/17	Front panel. 1U.	25,00	60,00
PC1055/27	Front panel. 2U.	44,00	106,00
PC1055/37	Front panel. 3U.	37,00	90,00
PC1055/47	Front panel. 4U.	48,00	115,00
PC1059/00	Text plate for PC1016 or PC1017. 1U.	20,00	48,00
PC1063/10	Termination block with 200 points for crimp, solder or faston connections.	94,00	226,00

Price list valid from 1985-01-01 in Hfl. per item

Typenumber	Description	B.J.P.	Basic
	Modular Input/Output System. - MIOS 6 -		
	1. Boards.		
PC1701/00	Expander card (EXPA).	728,00	1.620,00
PC1702/01	IEC-bus control card on GPB"S".	680,00	1.500,00
PC1710/00	Digital input card TTL/HNIL (32 inputs).	353,00	706,00
PC1711/00	Digital input card isolated, grounded load compatible. (32 inputs).	761,00	1.690,00
PC1711/10	Digital input card isolated, TTL/HNIL compatible. (32 inputs).	736,00	1.640,00
PC1715/00	Digital input output card, TTL/HNIL compatible. (DIOC, 16 inputs/16 outputs).	574,00	1.280,00
PC1716/00	Digital input output card isolated, grounded load compatible. (16 inputs/16 outputs).	1.160,00	2.320,00
PC1716/10	Digital input output card isolated, TTL/HNIL compatible. (16 inputs/16 outputs).	1.010,00	2.240,00
PC1720/00	Digital output card, TTL/HNIL compatible. (32 outputs).	274,00	608,00
PC1721/00	Digital output card isolated, grounded load compatible. (32 outputs).	646,00	1.440,00
PC1721/10	Digital output card isolated, TTL/HNIL compatible. (32 outputs).	669,00	1.490,00
PC1722/00	Digital output card isolated with 16 short circuit proof outputs.	453,00	1.010,00
PC1740/00	Analog input low level card.	538,00	1.200,00
PC1741/00	Analog input high level card.	422,00	940,00
PC1742/00	Analog input bipolar card.	442,00	990,00
PC1750/00	Amplifier and ADC card.	1.990,00	3.980,00
PC1751/00	Reference source card.	1.370,00	3.040,00
PC1755/00	Analog input fast module.	1.130,00	2.500,00
PC1761/00	Analog output module with 2 channels.	959,00	1.920,00
PC1762/00	Analog output module isolated with 4 channels.	729,00	1.620,00

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Typenumber	Description	B.J.P.	Basic
	2. Cables.		
PC1770/00	Digital input cable isolated.	78,00	175,00
PC1771/00	Digital output cable isolated.	78,00	175,00
PC1772/00	Analog input cable isolated.	69,00	155,00
PC1773/00	Analog input cable for PC1755 used in bipolar mode.	76,00	170,00
PC1774/00	Analog output cable for PC1761.	80,00	180,00
PC1775/00	Analog output cable for PC1762.	76,00	170,00
PC1776/00	Analog input cable for PC1755 used in unipolar mode.	79,00	180,00
	3. Frames.		
PC1780/00	Rack with 26 slots, single pitch.	1.100,00	2.440,00
PC1781/00	Rack with 14 slots, double pitch.	1.030,00	2.100,00
PC1785/00	Rack with UPL backplane, 18 slots and power supply.	2.210,00	4.400,00
	4. Remote MIOS.		
PC1790/00	Central data link controller.	1.200,00	2.700,00
PC1791/00	Remote data link controller.	1.570,00	3.490,00
	5. MIOS for DEC computers.		
PC1786/00	Rack with interface to connect the MIOS6 interface cards to PDP11 or LSI11 computers. The DEC computer must be equipped with a DR11-W (PDP) or DRV11-B (LSI) interface and appropriate cables. The PC1786/00 is configuration independent. Software, in the form of a loadable driver, for the DEC computers is available to run under RSX11-M/S. (see software catalogue PC2705).	6.500,00	12.400,00

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Typenumber	Description	B.J.P.	Basic
	Power supplies.		
	1. 5/6 Volt.		
PE1267/00	3A switched mode, 10T.	250,00	475,00
PE1267/10	3A switched mode 110V - 60Hz version.	260,00	500,00
PE1258/30	9A switched mode 110V - 60Hz, 20T.	540,00	950,00
PE1259/20	22A switched mode 110V - 60Hz, 40T.	800,00	1.420,00
	2. 12/15 Volt.		
PE1268/00	1.5A switched mode, 10T.	250,00	475,00
PE1261/30	4A switched mode, 20T.	530,00	900,00
	3. continued 24 Volt.		
PE1269/00	1A switched mode, 10T.	250,00	475,00
PE1264/30	2.5A switched mode, 20T.	500,00	900,00
PE1265/20	6A switched mode, 40T.	790,00	1.380,00
	4. DC/DC 24 Volt input.		
PE1100/00	5V - 3A switched mode, 10T.	260,00	475,00
PE1101/00	12V - 1.5A switched mode, 10T.	260,00	475,00
	5. Accessories.		
PM9707/00	19 inch rack, 3U.	192,00	335,00
PE1378/00	Crow bar.	35,00	65,00
PE1380/00	Adaptor for 2xPE1217.	13,90	40,00
PE1381/01	Front panel 1/6.	41,29	75,00
PE1382/01	Front panel 2/6.	60,00	100,00
PE1383/01	Front panel 3/6.	70,00	135,00
PE1384/01	Front panel 6/6.	103,00	195,00