



Controls & Drives

Mitsubishi HMI Solutions from BPX

Edition 6

**Includes the enhanced range of E1000 Series
& NEW GOT1000 series**



E Series



E1000 Series



Handy GOT



GOT900 Series Mono



GOT900 Series Colour



GOT1000 Series



**Portable PCs
&
Software**

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Controls & Drives

distributing technology

Introducing BPX

BPX is a specialist distributor of industrial electrical control and automation products. Our head office is in Leicester and there are six BPX branches throughout the UK.

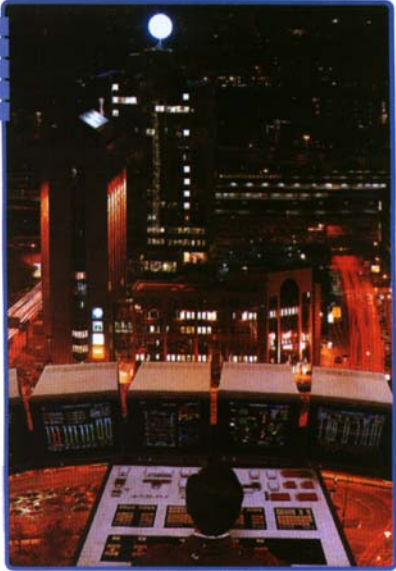
BPX Electro Mechanical Co. is the original member of the BPX Group which also includes the companies Controls and Drives, Ranger Computer Systems and Leicester Switch & Control. These businesses operate in the complementary areas of automation solutions, system integration and computer distribution.

3 reasons to choose BPX

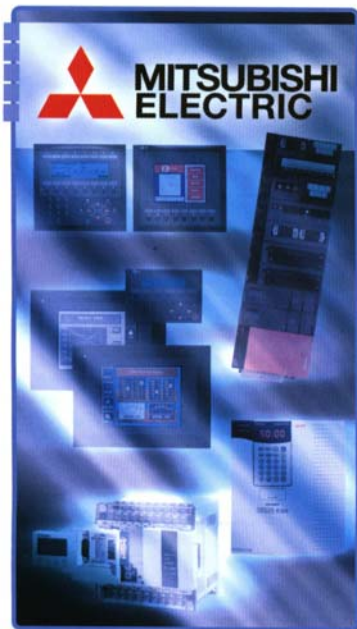
1 Best Products
BPX carries an unrivalled set of authorised distributorships from the market leaders in control and automation.

2 Best Services
BPX customers consistently report service levels to be the best in the business.

3 Best Value
BPX is confident it offers the best value by price and service.



products



The BPX product range offers solutions for all factory automation and industrial control applications.

With distributorships from the market leaders in the controls business including **Mitsubishi, Pilz, Telemecanique, Omron, Merlin Gerin, Weidmuller** and 35 other major manufacturers BPX is uniquely equipped.

BPX are one of only three companies appointed by Mitsubishi as key partners and our branch locations are authorised Mitsubishi Centres of Technical Excellence. BPX enjoy a unique position in the Mitsubishi distribution structure and have privileged access to technical support, product information and to the Mitsubishi sales team.

Mitsubishi's F and FX Series of PLCs remain the world's best selling programmable controllers and the company's unparalleled experience in the field of industrial automation ensure Mitsubishi are renowned for innovation, quality and value.

The complete Mitsubishi industrial automation product range is supported by BPX. We stock, supply and offer technical advice on Mitsubishi PLCs, Operator Interfaces, Inverters, Servos, Software and Circuit Protection.



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Controls & Drives

Edition 6

What's new in this edition?

Mitsubishi have launched the GOT 1000 range of HMIs.

The GOT 1000 series of graphic operator terminals provide the very latest in touch-screen display technology:

- Diagnostic functions
- High resolution screens
- Transparent mode
- High-speed processing
- Flexible program storage
- Information sharing
- Ladder monitor functionality on certain models

Please see the GOT 1000 section further on in this brochure for more details of this exciting new range of HMIs.

The "Solutions" brochures range:

- Mitsubishi Drives Solutions from BPX
- Mitsubishi HMI Solutions from BPX
- Mitsubishi Servo Solutions from BPX
- Mitsubishi Software Solutions from BPX
- Electric Motor Solutions from BPX
- Cable Management Solutions from BPX

If you would like any of the above range of brochures, personalised with your company name & showing your discounted prices, please contact your local branch or e-mail marketing@bpx.co.uk

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Controls & Drives

E Series

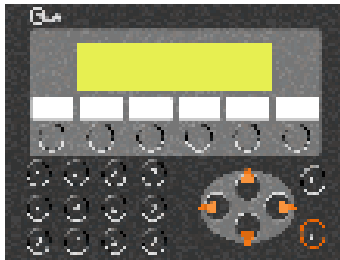
product information



E50



E100



E150



E200



E410

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E Series

Controls & Drives

Specifications

Model	E50	E100	E150	E200	E410
Display type	Backlit LCD	Backlit LCD	Backlit LCD	Backlit LCD	Backlit LCD
Text height (mm)	5	5	5	5	Variable
Active area of display W x H (mm)	55.73 x 10.38	73.5 x 11.5	73.5 x 11.5	70.4 x 20.8	Diagonal – 96mm
Freely defined display	2 lines x 16 characters	2 lines x 20 characters	2 lines x 20 characters	4 lines x 20 characters	320 x 240 pixels
Touch screen	-	-	-	-	Yes
LEDs	-	-	-	5 (two coloured)	Power on
Function keys	4	4	6 (with own text)	5 (with own text)	-
Transparent mode	-	Yes	Yes	Yes	Yes
Memory for application	16 kb Flash	64 kb Flash	64 kb Flash	64 kb Flash	400 kb Flash
Computer / printer port (RS232)	Combined with RS422 no printer function	Yes	Yes	Yes	RS422/485 & RS232C
Voltage	5 VDC from PLC or external	5 VDC from PLC or external	5 VDC from PLC or external	24 VDC	24 VDC
Power consumption	Max 200mA	Max 200mA	Max 200mA	Max 150mA	Max 150mA
Dimensions W x H x D (mm)	104 x 69 x 38	142 x 90 x 29	142 x 100 x 29	147 x 163.5 x 36	142 x 90 x 47.5
Available interface	-	-	-	-	Ethernet built in
Built-in internet/intranet functions: web server, ftp server, email client	-	-	-	-	Yes
Built-in dual driver feature	-	Yes	Yes	Yes	Yes
Built-in multi language support for up to 10 languages	-	Yes	Yes	Yes	Yes

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E Series HMIs

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
129589	E50	Text operator terminal, 2 lines x 16 char, mono LCD, excl cable & manual, Pack of 10	£1,275.00	Call	Call
88413	E100	Text operator terminal, 2 lines x 20 char, mono LCD, excl cable & manual	£184.00	Call	Call
135935	E150	Text operator terminal, 2 lines x 20 char, mono LCD, excl cable & manual	£214.00	Call	Call
69344	E200	Text operator terminal, 4 lines x 20 char, mono LCD, excl cable & manual	£373.00	Call	Call
156317	E410	Graphic operator terminal 5.7" screen, 320 x 240 pixel mono LCD display, with built-in Ethernet interface, excl cable & manual	£499.00	Call	Call

E Series Accessories

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
140062	E-Designer Kit	Windows PC programming software for E Series, inc. HMI programming cable & complete set of electronic manuals for E Series HMIs. For Windows 98, NT, 2000 & XP	£99.00	Call	Call
76945	CAB18/3M-HMI	Connecting cable for E Series to AnS, A, QnA, QnAS & FX or together with FX-20P-CADP to FXO, FXnS & FXnN	£37.00	Call	Call
146861	CAB19/3M-HMI	Connecting cable for E Series to FXO, FXnS & FXnN	£37.00	Call	Call
31870	FX-20P-CADP	0.3m adapter cable used together with CAB18/3M-HMI	£30.00	Call	Call
124261	CAB1-HMI	Cable between E Series & SIMATIC S5 with 6ES5 734-1BD20 cable from Siemens	£37.00	Call	Call
124262	CAB2-HMI	Cable between E Series & Allen Bradley Micrologix	£37.00	Call	Call
124263	CAB3-HMI	Cable between E Series & Omron Hostlink	£37.00	Call	Call
124264	CAB4-HMI	Cable between E Series & GE Fanuc SNPX	£37.00	Call	Call
124265	CAB5-HMI	Programming cable for E Series & connecting to 1) SIMATIC S5 3964R (with a nullmodem) 2) SIMATIC S7 MPI with CAB11-HMI 3) SIMATIC S7 3964R 4) Allen-Bradley SLC-500	£37.00	Call	Call
124266	CAB6-HMI	Cable between E Series & 1) SIMATIC S5 3964R 2) SIMATIC S7 MPI with CAB11-NMI 3) PC (programming cable for the RS422 port)	£77.00	Call	Call
124267	CAB7-HMI	Cable between E Series & SIMATIC S5 PG1	£77.00	Call	Call
124268	CAB8-HMI	RS485 adapter for SIMATIC S7 PPI (with additional serial cable, see manual)	£77.00	Call	Call
130049	CAB9-HMI	Cable between E Series & FR-A/E inverters	£37.00	Call	Call
130048	CAB10-HMI	RS485 adapter for Allen-Bradley DH485 connection	£77.00	Call	Call
132351	CAB11-HMI	Signal converter for SIMATIC S7 MPI (with CAB5-HMI or CAB6-HMI)	£179.00	Call	Call
140461	CAB16-HMI	Connecting cable for E Series to the RS232 port on Qn Series PLCs	£37.00	Call	Call
140472	CAB17-HMI	Connecting cable for E Series to the RS422 port on Qn Series PLCs	£77.00	Call	Call
56173	CR-01	RS-422 signal amplifier	£210.00	Call	Call

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Controls & Drives

E1000 Series

product information



The NEW E1000 Series

- **Enhanced Display** – Bright TFT high resolution screen with over 65,000 colours (in certain models), in various sizes including a new 15” variant
- **Simpler Operation** – Stylish modern powder coated aluminium fascia certified to IP66, keyboard variants with explorer type navigation buttons to compliment the terminal’s ergonomic design
- **Latest Standards** – New high performance Intel Xscale CPU with Windows CE.NET
- **Improved Communication** – Integrated Ethernet & both USB host / device interfaces, for limited functionality
- **More Flexibility** – External CF card slot for file & data transfer. Internal CF card slot for enhanced data storage in the E1032 & above.

The new E1000 series of Operator Terminals provides a huge leap forward in display technology. Ergonomics & ease of use were central to the new series design. The E1000 proves again how open HMI technology can be the key to integrated automation.

Everything about the E1000 is representative of Mitsubishi’s approach to automation, solid reliable designs, utilisation of high technology when it adds value & flexibility with operators in mind.

- External CF card slot for removable data storage card
- Over 100 drivers available for open connection to almost all major Automation Suppliers of PLCs, Inverters & Servos.
- Built in Ethernet for immediate connection & networking on LAN, intranet or internet
- Internal CF card, for application memory, can be easily expanded up to 4 Gb to cope with large projects

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E1000 Series

Controls & Drives

Specifications

Specifications		E1032	E1041/E1043	E1060	E1061/E1063
Replacement for:		E300	N/A / E410	E600	E615 / E610
Display unit	type	TFT mono	TFT colour/TFT greyscale	STN colour	STN colour/STN mono
	dimensions (mm)	135 x 36	75 x 54 (3.5")	120 x 91 (5.7")	145 x 110 (5.7")
	text (lines x characters)	User definable	User definable	User definable	User definable
	character height (mm)	User definable, Windows fonts	User definable, Windows fonts	User definable, Windows fonts	User definable, Windows fonts
	graphical resolution (pixels)	240 x 64	320 x 240	320 x 240	320 x 240
Power supply		24 VDC (20-30 V)	24 VDC (20-30 V)	24 VDC (20-30 V)	24 VDC (20-30 V)
Internal memory capacity		12 MB	12 MB	12 MB	12 MB
Flash memory		32 MB (Intel Strata Flash)	32 MB (Intel Strata Flash)	32 MB (Intel Strata Flash)	32 MB (Intel Strata Flash)
Keyboard type		Membrane	Touch-panel	Membrane	Touch-panel
Function keys	internal	8	Touch keys	16	Touch keys
	external	-	-	-	-
LED indicators		16 (8 integrated in keys)	1 (Power ON)	16 (8 integrated in keys)	1 (Power ON)
Interfaces	serial	RS232C, RS422, RS485	RS232C, RS422, RS485	RS232C, RS422, RS485	RS232C, RS422, RS485
	parallel	-	-	-	-
	others	USB	USB	USB	USB
Interface slot for optional cards		1	1	1	1
Real-time clock		Integrated	Integrated	Integrated	Integrated
Network communication possibilities		Ethernet TCP/IP, Modbus TCP, MOI (all integrated); Profibus/DP (optional)	Ethernet TCP/IP, Modbus TCP, MOI (all integrated); Profibus/DP (optional)	Ethernet TCP/IP, Modbus TCP, MOI (all integrated); Profibus/DP (optional)	Ethernet TCP/IP, Modbus TCP, MOI (all integrated); Profibus/DP (optional)
IP Rating (front panel)		IP65	IP65	IP65	IP65
Dimensions W x H x D (mm)		202 x 187 x 63	156 x 119 x 63	275 x 168 x 63	201 x 152 x 63
Weight (kg)		0.9	0.56	1.1	0.87

Specifications *		E1070/E1070 Pro+	E1071/E1071 Pro+	E1100/E1100 Pro+	E1101/E1101 Pro+ E1151/E1151 Pro+
Replacement for:		E700	E710	E900	E910 / N/A
Display unit	type	TFT	TFT	TFT	TFT
	dimensions (mm)	134 x 100 (6.5")	134 x 100 (6.5")	211 x 158 (10.4")	211 x 158 (10") 304 x 228 (15")
	text (lines x characters)	User definable	User definable	User definable	User definable
	character height (mm)	User definable, Windows fonts	User definable, Windows fonts	User definable, Windows fonts	User definable, Windows fonts
	graphical resolution (pixels)	640 x 480	640 x 480	800 x 600	800 x 600 1024 x 768
Power supply		24 VDC (20-30 V)	24 VDC (20-30 V)	24 VDC (20-30 V)	24 VDC (20-30 V)
Internal memory capacity		12 MB (expandable)	12 MB (expandable)	12 MB (expandable)	12 MB (expandable)
Memory card (inter./extern.)		2 (compact flash 4 – 1024MB)	2 (compact flash 4 – 1024MB)	2 (compact flash 4 – 1024MB)	2 (compact flash 4 – 1024MB)
Keyboard type		Membrane	Touch-panel	Membrane	Touch-panel
Function keys	internal	16 (8 with integrated LEDs)	Touch keys	20 (10 with integrated LEDs)	Touch keys
	external	Max 64 (optional with MAC-E-Key16)	Max 64 (optional with MAC-E-Key16)	Max 64 (optional with MAC-E-Key16)	Max 64 (optional with MAC-E-Key16)
LED indicators		18	1 (Power ON)	20	1 (Power ON)
Interfaces	serial	RS232C, RS422, RS485	RS232C, RS422, RS485	RS232C, RS422, RS485	RS232C, RS422, RS485
	parallel	-	-	-	-
	others	USB	USB	USB	USB
Interface slot for optional cards		1	1	1	1
Real-time clock		Integrated	Integrated	Integrated	Integrated
Network communication possibilities		Ethernet TCP/IP, Modbus TCP, MOI (all integrated); Profibus/DP (optional)	Ethernet TCP/IP, Modbus TCP, MOI (all integrated); Profibus/DP (optional)	Ethernet TCP/IP, Modbus TCP, MOI (all integrated); Profibus/DP (optional)	Ethernet TCP/IP, Modbus TCP, MOI (all integrated); Profibus/DP (optional)
IP Rating (front panel)		IP65	IP65	IP65	IP65
Dimensions W x H x D (mm)		285 x 177 x 62	219 x 154 x 61	382 x 252 x 64	302 x 228 x 64 398 x 304 x 60
Weight (kg)		1.3	1.1	2.3	2.0 / 3.7

* Pro+ terminals have all the functionality of the standard terminals plus the ability to view external files such as PDFs, HTML pages & PowerPoint presentations directly on the screen.

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Controls & Drives

E1000 Series

E1000 Terminals

E1000 Series

SAP No.	Catalogue No	Description	Price	Discount	Nett Price
169297	E1032	Graphic operator terminal with keys, B/W display, 240x64 pixel resolution, no cable	£650.00	Call	Call
169298	E1041	Graphic operator terminal with touchkeys, 3.5" TFT display, 64k colours, 320x240 pixel resolution, no cable	£599.00	Call	Call
169299	E1043	Graphic operator terminal with touchkeys, 3.5" display, 16 greyscales, 320x240 pixel resolution, no cable	£499.00	Call	Call
169300	E1060	Graphic operator terminal with keys, 5.7" STN display, 64K colours, 240x64 pixel resolution, no cable	£1,099.00	Call	Call
169301	E1061	Graphic operator terminal with touchkeys, 5.7" STN display, 64k colours, 320x240 pixel resolution, no cable	£1,099.00	Call	Call
169302	E1063	Graphic operator terminal with touchkeys, 5.7" display, 16 greyscales, 320x240 pixel resolution, no cable	£849.00	Call	Call
156096	E1070	Graphic operator terminal, 6.5" screen, 640x480 pixels, funct key, 24VDC, 65k colour TFT display, excluding cable & manual	£1,344.00	Call	Call
203301	E1070 Pro+	Graphic operator terminal, 6.5" screen, 640x480 pixels, function keys, 24VDC, 65k colour TFT display, 64MB CF card, Document-Display functions, excluding cable & manual	£1,444.00	Call	Call
156097	E1071	Graphic operator terminal, 6.5" touch screen, 640 x 480 pixels, 24VDC, 65k colour TFT display, excluding cable & manual	£1,344.00	Call	Call
203302	E1071 Pro+	Graphic operator terminal, 6.5" touch screen, 640 x 480 pixels, 24VDC, 65k colour TFT display, 64MB CF card, Document-Display functions, excluding cable & manual	£1,444.00	Call	Call
156098	E1100	Graphic operator terminal, 10.4" screen, 800 x 600 pixels, funct key, 24VDC, 65K colour TFT display, excluding cable & manual	£2,088.00	Call	Call
203303	E1100 Pro+	Graphic operator terminal, 10.4" screen, 800 x 600 pixels, function keys, 24VDC, 65k colour TFT display, 64MB CF card, Document-Display functions, excluding cable & manual	£2,188.00	Call	Call
156099	E1101	Graphic operator terminal, 10.4" touch screen, 800 x 600 pixels, 24VDC, 65k colour TFT display, excluding cable & manual	£2,088.00	Call	Call
203324	E1101 Pro+	Graphic operator terminal, 10.4" touch screen, 800 x 600 pixels, 24VDC, 65k colour TFT display, 64MB CF card, Document-Display functions, excluding cable & manual	£2,188.00	Call	Call
156100	E1151	Graphic operator terminal, 15" touch screen, 1024 x 768 pixels, 24VDC, 65k colour TFT display, excluding cable & manual	£2,600.00	Call	Call
203325	E1151 Pro+	Graphic operator terminal, 15" touch screen, 1024 x 768 pixels, 24VDC, 65k colour TFT display, 64MB CF card, Document-Display functions, excluding cable & manual	£2,700.00	Call	Call

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Controls & Drives

E1000 Series

E1000 Accessories

E1000 Series Accessories

SAP No.	Catalogue No	Description	Price	Discount	Nett Price
136498	E-Designer CD	Windows PC programming software for E Series, CD only but inc. complete set of electronic manuals. For Windows 98, NT, 2000 & XP.	£79.00	Call	Call
200451	E-Designer E1000 Kit	Windows PC programming software for E1000 Series, inc. HMI programming cable and complete set of electronic manuals. For Windows 98, NT, 2000 & XP	£99.00	Call	Call
130049	CAB9-HMI	Cable between E Series & FR-A/E inverters	£37.00	Call	Call
140472	CAB17-HMI	Connecting cable for E Series to the RS422 port on Qn Series PLC RS232 port	£77.00	Call	Call
76945	CAB18/3M-HMI	Connecting cable for E Series to AnS, A, QnA, QnAS & FX or together with FX-20P-CADP to FXO, FXnS & FXnN	£37.00	Call	Call
146861	CAB19/3M-HMI	Connecting cable for E Series to FXO, FXnS & FXnN	£37.00	Call	Call
31870	FX-20P-CADP	0.3m adapter cable used together with CAB18/3M-HMI	£30.00	Call	Call
132351	CAB11-HMI	Signal converter for SIMATIC S7 MPI (with CAB5-HMI or CAB6-HMI)	£179.00	Call	Call
163002	CAB30	Connector cable between PC and RS232 of E1000-Series; 3 m Connector cable between CAB11 (MPI converter) and RS232 of E1000-Series	£37.00	Call	Call
163003	CAB31	RS232 connector cable between E1000 series & A-B Micrologix, 3m	£37.00	Call	Call
163004	CAB32	RS232 connector cable between E1000 series & Omron Hostlink, 3m	£37.00	Call	Call
163005	CAB33	RS232 connector cable between E1000 series & Matsushita FP0, 3m	£41.00	Call	Call
163006	CAB34/3M	RS232 connector cable between E1000 series & MELSEC System Q, 3m	£37.00	Call	Call
	CAT5/BL/3M/X	Ethernet crossover cable, 3m	£3.50	Call	Call

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Controls & Drives

Handy GOT

product information



F940GOT-LBD-H-E

F940GOT-SBD-H-E



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Controls & Drives

Handy GOT

Specifications

Model	F940GOT-LBD-H-E	F940GOT-SBD-H-E
Display type	Backlit LCD	Backlit Colour LCD
Text height (mm)	Variable (up to 40 characters / 15 lines)	Variable (up to 40 characters / 15 lines)
Freely defined display	320 x 240 pixels	320 x 240 pixels, 8 colours
Touch Screen	Yes	Yes
Active area of display W x H (mm) / diagonal (inch)	115 x 86 / 5.7"	115 x 86 / 5.7"
Memory for application	512 kbyte Flash	512 kbyte Flash
Expandable memory (optional interface)	-	-
Computer / printer port (RS232)	Yes	Yes
Voltage	24 V	24 V
Power consumption	Max 300 mA	Max 300 mA
Drivers	Melsec FX, A, QnA, Q2AS, Motion, Computer Link, Omron, Fuji, Yaskawa, Allen-Bradley	Melsec FX, A, QnA, Q2AS, Motion, Computer Link, Omron, Fuji, Yaskawa, Allen-Bradley
Advanced functions	Weight only 0.79kg (1.74 lbs), ON/OFF grip switch, rear cable strap, Impact resistance in machine startup 1131-2 (147m/s ² , 3 times in each of X, Y, Z directions)	Weight only 0.79kg (1.74 lbs), ON/OFF grip switch, rear cable strap, perfect for communication
Protective structure	Equivalent to IP54	Equivalent to IP54
Function switch	4 switches (4 contacts/common)	4 switches (4 contacts/common)
Grip switch	1 switch (assigned as display unit key)	1 switch (assigned as display unit key)
Emergency stop switch	1 switch (AH165-VR01 manufactured by Fuji Electric), 1 N/C contact, 1 A/24 VDC (independent wiring)	1 switch (AH165-VR01 manufactured by Fuji Electric), 1 N/C contact, 1 A/24 VDC (independent wiring)
Power LED	1 green LED (lit by 5 V for control circuit)	1 green LED (lit by 5 V for control circuit)
Operation status LED	4 green LEDs (whose lighting is controlled by display unit)	4 green LEDs (whose lighting is controlled by display unit)
Grip switch LED	1 green LED (whose lighting is controlled by display unit)	1 green LED (whose lighting is controlled by display unit)
Dimensions W x H x D (mm) (incl. cable depth)	156 x 191 x 50.5	156 x 191 x 50.5

This document contains list prices, for discounts please contact your local branch

Handy GOT Series HMIs

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
129426	F940GOT-LBD-H-E	Graphic Operator Terminal, 320 x 240 pixels, mono LCD display, touch screen, hand held version with Latchable stop switch, 5.7" screen size.	£789.00	Call	Call
129425	F940GOT-SBD-H-E	Graphic Operator Terminal, 320 x 240 pixels, 8 colour LCD display, touch screen, hand held version with Latchable stop switch, 5.7" screen size.	£912.00	Call	Call

GOT 900 Series Accessories

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
139802	SW5D5C-GOTR-PACKE	GT Works, Windows based programming software for GOT series of HMIs.	£244.00	Call	Call
130213	F9GT-HCAB-3M	3m cable between F940GOT-LBD/SBD-H-E and 1) FX, AnS and A (with F9GT-HCAB3-150 2) FX, AnS and A (with FX-40DU-CAB/EN and F9GT-HCNB) 3) FX0, FXnS and FXnN (with F9GT-HCAB2-150) 4) FX0, FXnS, FXnN (with FX-50DU-CAB0/EN and F9GT-HCNB)	£58.00	Call	Call
130296	F9GT-HCAB-10M	10m cable between F940GOT-LBD/SBD-H-E and 1) FX, AnS and A (with F9GT-HCAB3-150 2) FX, AnS and A (with FX-40DU-CAB/EN and F9GT-HCNB) 3) FX0, FXnS and FXnN (with F9GT-HCAB2-150) 4) FX0, FXnS, FXnN (with FX-50DU-CAB0/EN and F9GT-HCNB)	£117.00	Call	Call
130297	F9GT-HCAB1-3M	3m cable between F940GOT-LBD/SBD-H-E and AnS and A.	£70.00	Call	Call
130298	F9GT-HCAB1-10M	10m cable between F940GOT-LBD/SBD-H-E and AnS and A.	£117.00	Call	Call
130299	F9GT-HCAB2-150	Cable between F940GOT-LBD/SBD-H-E and FX0, FXnS and FXnN (with F9GT-HCAB-xxM).	£58.00	Call	Call
130212	F9GT-HCAB3-150	Cable between F940GOT-LBD/SBD-H-E and FX, AnS and A (with F9GT-HCAB-xxM).	£85.00	Call	Call
	F9GT-HCNB	Interface unit.	POA	Call	Call
124972	FX-232CAB-1	Programming cable F900 / A900 GOT	£67.00	Call	Call

Prices shown exclude VAT & are subject to BPX standard terms & conditions of sale

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specification - prices - specification - prices



Controls & Drives

GOT Mono

product information



F920GOT-BBD5-K-E

F930GOT-BBD-K-E



F930GOT-BWD-E

F940GOT-LWD-E



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Controls & Drives

GOT Mono

Specifications

Model	F920GOT-BBD5-K-E	F930GOT-BBD-K-E	F930GOT-BWD-E	F940GOT-LWD-E
Display type	Backlit LCD	Backlit LCD	Backlit LCD	Backlit LCD
Text height (mm)	Variable (up to 16 characters / 4 lines)	Variable (up to 30 characters / 5 lines)	Variable (up to 30 characters / 5 lines)	Variable (up to 40 characters / 15 lines)
Freely defined display	128 x 64 pixels	240 x 80 pixels	240 x 80 pixels	320 x 240 pixels
Touch Screen	No	Yes	Yes	Yes
Active area of display W x H (mm) / diagonal (inch)	60 x 30 / 2.6"	117 x 42 / 4.4"	117 x 42 / 4.9"	115 x 86 / 5.7"
Keyboard	26 keys	28 keys	-	-
Function keys	6 + numerical keyboard	8 + numerical keyboard	-	-
Memory for application	128 kb Flash-ROM	256 kb Flash-ROM	256 kbyte Flash	512 kbyte Flash
Computer / printer port (RS232)	RS232C/422	RS232C/422	Yes	Yes
Voltage	5 VDC	24 VDC	24 VDC	24 VDC
Power consumption	Max 220 mA	Max 200 mA	Max 200 mA	Max 390 mA
Drivers	All MELSEC PLC systems	All MELSEC PLC systems & all major PLC manufacturers	Melsec FX, A, Computer Link, Omron, Fuji, Yaskawa, Allen-Bradley	Melsec FX, A, Motion, Computer Link, Omron, Fuji, Yaskawa, Allen-Bradley
Advanced functions	The background lighting can be changed to red to show alarm or other critical situations better	Instruction lists, text & changes to programme can be entered directly via the keyboard	Blue LCD with high Luminance	Fast response time: 0.16s high speed response when directly connected to FX2N PLC
Dimensions W x H x D (mm) (incl. cable depth)	106 x 134 x 35.5	168 x 183 x 37.5	146 x 75 x 49	162 x 130 x 57

This document contains list prices, for discounts please contact your local branch

GOT 900 Series HMIs

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
146508	F920GOT-BBD5-K-E	Graphic Operator Terminal, 128 x 64 pixels, white/red STN display, 2.6" screen size	£140.00	Call	Call
157570	F920GOT-BBD5-K-E SET	F920 starter pack containing F920GOT, GT Works software and programming cable	£299.00	Call	Call
146721	F930GOT-BBD-K-E	Graphic Operator Terminal, 240 x 80 pixels, mono LCD display, touch screen, 4.4" screen size	£270.00	Call	Call
157568	F930GOT-BBD-K-E SET	F930 starter pack containing F930GOT, GT Works software and programming cable	£399.00	Call	Call
128789	F930GOT-BWD-E	Graphic Operator Terminal, 240 x 80 pixels, mono LCD display, touch screen, 4.9" screen size	£462.00	Call	Call
113862	F940GOT-LWD-E	Graphic Operator Terminal, 320 x 240 pixels, mono LCD display, touch screen, 5.7" screen size	£716.00	Call	Call

GOT 900 Series Accessories

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
139802	SW5D5C-GOTR-PACKE	GT Works, Windows based programming software for GOT series of HMIs.	£244.00	Call	Call
62503	FX-40DU-CAB/EN	Cable for 1) FX, A & AnS 2) FX0, FXnS & FXnN (with FX-20P-CADP)	£39.00	Call	Call
70451	FX-50DU-CAB0/EN	Cable for FX0, FXnS & FXnN	£39.00	Call	Call
31870	FX-20P-CAB	Cable for FX0, FXnS & FXnN (with FX-40DU-CAB/EN)	£30.00	Call	Call
127731	A8GT-C30NB	3m connection cable for A & QnA bus connection	£159.00	Call	Call
124972	FX-232CAB-1	Programming cable F900 / A900 GOT	£67.00	Call	Call
130212	F9GT-HCAB3-150	Cable between F940GOT-LBD/SBD-H-E and FX, AnS and A (with F9GT-HCAB-xxM).	£85.00	Call	Call
130213	F9GT-HCAB-3M	3m cable between F940GOT-LBD/SBD-H-E and 1) FX, AnS and A (with F9GT-HCAB3-150 2) FX, AnS and A (with FX-40DU-CAB/EN and F9GT-HCNB) 3) FX0, FXnS and FXnN (with F9GT-HCAB2-150) 4) FX0, FXnS, FXnN (with FX-50DU-CAB0/EN and F9GT-HCNB)	£58.00	Call	Call
130296	F9GT-HCAB-10M	10m cable between F940GOT-LBD/SBD-H-E and 1) FX, AnS and A (with F9GT-HCAB3-150 2) FX, AnS and A (with FX-40DU-CAB/EN and F9GT-HCNB) 3) FX0, FXnS and FXnN (with F9GT-HCAB2-150) 4) FX0, FXnS, FXnN (with FX-50DU-CAB0/EN and F9GT-HCNB)	£117.00	Call	Call
130297	F9GT-HCAB1-3M	3m cable between F940GOT-LBD/SBD-H-E and AnS and A.	£70.00	Call	Call
130298	F9GT-HCAB1-10M	10m cable between F940GOT-LBD/SBD-H-E and AnS and A.	£117.00	Call	Call
130299	F9GT-HCAB2-150	Cable between F940GOT-LBD/SBD-H-E and FX0, FXnS and FXnN (with F9GT-HCAB-xxM).	£58.00	Call	Call
131266	FX9GT-CAB0	1.5m RS-422 cable for FX0, FXnS and FXnN CPU connection.	£56.00	Call	Call

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Controls & Drives

GOT Colour product information



F940GOT-SWD-E

F940WGOT-TWD-E



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Controls & Drives

GOT Colour

Specifications

Model	F940GOT-SWD-E	F940WGOT-TWD-E
Display type	Backlit Colour LCD	Backlit Colour TFT
Text height (mm)	Variable (up to 40 characters / 15 lines)	Variable (up to 60 characters / 14 lines)
Freely defined display	320 x 240 pixels, 8 colours	480 x 234 pixels, 256 colours
Touch Screen	Yes	Yes
Active area of display W x H (mm) / diagonal (inch)	115 x 86 / 5.7"	155.5 x 87.8 / 7"
Memory for application	512 kbyte Flash	1 Mbyte Flash
Expandable memory (optional interface)	-	-
Computer / printer port (RS232)	Yes	Yes
Voltage	24 VDC	24 V
Power consumption	Max 410 mA	
Drivers	Melsec FX, A, Motion, Computer Link, Omron, Fuji, Yaskawa, Allen-Bradley	Melsec FX, A, QnA, Q2AS, Motion, Computer Link, Omron, Fuji, Yaskawa, Allen-Bradley
Advanced functions	Fast response time: 0.16s high speed response when directly connected to FX2N PLC conformance to IEC	Wide screen, Horizontal or vertical installation, up to three wat split screen, tree used for audio channels (2 x RS232c, 1 x RS422)
Dimensions W x H x D (mm) (incl. cable depth)	162 x 130 x 57	215 x 133 x 70.6

This document contains list prices, for discounts please contact your local branch

GOT 900 Series Colour HMIs

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
113841	F940GOT-SWD-E	Graphic Operator Terminal, 320 x 240 pixel, colour, touch screen, 5.7" screen size	£819.00	Call	Call
136797	F940WGOT-TWD-E	Graphic Operator Terminal with WIDE screen, 480 x 234 pixel, colour, touch screen, 7" screen size	£1,020.00	Call	Call

GOT 900 Series Accessories

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
139802	SW5D5C-GOTR-PACKE	GT Works, Windows based programming software for GOT series of HMIs.	£244.00	Call	Call
62503	FX-40DU-CAB/EN	Cable for 1) FX, A & AnS 2) FX0, FXnS & FXnN (with FX-20P-CADP)	£39.00	Call	Call
70451	FX-50DU-CAB0/EN	Cable for FX0, FXnS & FXnN	£39.00	Call	Call
31870	FX-20P-CAB	Cable for FX0, FXnS & FXnN (with FX-40DU-CAB/EN)	£30.00	Call	Call
127731	A8GT-C30NB	3m connection cable for A & QnA bus connectioun	£159.00	Call	Call
124972	FX-232CAB-1	Programming cable F900 / A900 GOT	£67.00	Call	Call
130212	F9GT-HCAB3-150	Cable between F940GOT-LBD/SBD-H-E and FX, AnS and A (with F9GT-HCAB-xxM).	£85.00	Call	Call
130213	F9GT-HCAB-3M	3m cable between F940GOT-LBD/SBD-H-E and 1) FX, AnS and A (with F9GT-HCAB3-150 2) FX, AnS and A (with FX-40DU-CAB/EN and F9GT-HCNB) 3) FX0, FXnS and FXnN (with F9GT-HCAB2-150) 4) FX0, FXnS, FXnN (with FX-50DU-CAB0/EN and F9GT-HCNB)	£58.00	Call	Call
130296	F9GT-HCAB-10M	10m cable between F940GOT-LBD/SBD-H-E and 1) FX, AnS and A (with F9GT-HCAB3-150 2) FX, AnS and A (with FX-40DU-CAB/EN and F9GT-HCNB) 3) FX0, FXnS and FXnN (with F9GT-HCAB2-150) 4) FX0, FXnS, FXnN (with FX-50DU-CAB0/EN and F9GT-HCNB)	£117.00	Call	Call
130297	F9GT-HCAB1-3M	3m cable between F940GOT-LBD/SBD-H-E and AnS and A.	£70.00	Call	Call
130298	F9GT-HCAB1-10M	10m cable between F940GOT-LBD/SBD-H-E and AnS and A.	£117.00	Call	Call
130299	F9GT-HCAB2-150	Cable between F940GOT-LBD/SBD-H-E and FX0, FXnS and FXnN (with F9GT-HCAB-xxM).	£58.00	Call	Call
131266	FX9GT-CAB0	1.5m RS-422 cable for FX0, FXnS and FXnN CPU connection.	£56.00	Call	Call

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Controls & Drives

GOT 1000 series

product information



The NEW GOT1000 Series

- High-resolution fully graphical display & a touch-sensitive user surface
- One of the slimmest operator panels on the market
- Impressive response & display drawing times
- PLC programs can be monitored graphically
- Programs can be stored either in the control unit's integrated, battery-powered RAM, in plug-in EPROM modules or on Compact flash memory cards

GOT 1000 – complex processes displayed simply

The graphic operator terminals of the GOT 1000 series represent the top products by Mitsubishi Electric. They provide a high-resolution fully graphical display & a touch-sensitive user surface. The depth of only 50 mm makes it one of the slimmest operator panels on the market. State changes & user inputs can be entered easily.

The 64-bit RISC processor used in the GOT 1000 series is combined with a specially developed high-speed graphics processor. Together, they deliver impressive response & display drawing times.

With the GOT 1000 the user accesses all Melsec PLCs special function modules in order to test individual parts of the plant. The PLC programs can be monitored graphically (ladder diagram).

The control units are programmed with the GT Works software package running on a PC under MS Windows. Programs can be stored either in the control unit's integrated, battery-powered RAM, in plug-in EPROM modules or on Compact flash memory cards.

A vast number of indicating instruments like indicators, pressure gauges, analog & digital measuring devices, etc. can be replaced by corresponding graphical objects.

Lots of ready-to-use practical objects are included in the MS Windows compatible programming software & reduce program development time.

All units feature an integrated real-time clock, password access control & alarm & recipe handling.

The GOT 1000 features Unicode 2.1 support. This enables users to easily create multi-language displays.

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Controls & Drives

GOT 1000 series

Specifications

Specifications		GT1020-LBL/ GT1020-LBD2	GT1150-QLBD/ GT1150HS-QLBD	GT1155-QSBD/ GT1155HS-QSBD
Display unit	type	STN, monochrome	STN, 16 greyscales	STN, 256 colours
	dimensions (mm)	86.4 x 34.5 (3.7")	115 x 86 (5.7")	115 x 86 (5.7")
	text (lines x characters)	User definable	User definable	User definable
	character height (mm)	User definable, Windows fonts	User definable, Windows fonts	User definable, Windows fonts
	graphical resolution (pixels)	160 x 64	320 x 240	320 x 240
Power supply		5V DC / 24V DC	24V DC	24V DC
Internal memory capacity		512 kB	3 MB	3 MB
Memory card slot		-	1 (CF card)	1 (CF card)
Keyboard type		Touch-panel	Touch-panel	Touch-panel
Function keys	internal	Touch keys	Touch keys	Touch keys
	external	-	-	-
LED indicators		-	1 (Power ON)	1 (Power ON)
Interfaces	serial	RS232, RS422 / RS232	RS232C, RS422(1ch) / RS232C, RS422(2ch)	RS232C, RS422(1ch) / RS232C, RS422(2ch)
	parallel	-	-	-
	others	-	USB (front) / USB (top)	USB (front) / USB (top)
Interface slot for optional cards		-	1, for recipes & list editors	1, for recipes & list editors
Real-time clock		-	Integrated	Integrated
Network communication possibilities	type	Serial	Serial	Serial
	max. no. of nodes	2	2	2
IP Rating (front panel)		IP67	IP67F	IP67F
Dimensions W x H x D (mm)		113 x 74	164 x 135 x 56 / 176 x 220 x 93	164 x 135 x 56 / 176 x 220 x 93
Weight (kg)		0.2	0.7 / 1.0	0.7 / 1.0

Specifications *		GT1562-VNBA/GT1565-VTBA GT1562-VNBD/GT1565-VTBD	GT1572-VNBA/GT1575-VNBA GT1572-VNBD/GT1575-VNBD	GT1575-VTBA/GT1575-STBA GT1575-VTBD/GT1575-STBD	GT1585-STBA/GT1595-VTBA GT1585-STBD
Display unit	type	TFT, 16 colours / 65536 colours	TFT, 16 colours / 256 colours	TFT, 65536 colours (expandable)	TFT, 256 colours (expandable)
	dimensions (mm)	171 x 128 (8.4")	211 x 158 (10.4")	211 x 158 (10.4")	246 x 185 (12.1") / 304 x 228 (15")
	text (lines x characters)	User definable	User definable	User definable	User definable
	character height (mm)	User definable, Windows fonts	User definable, Windows fonts	User definable, Windows fonts	User definable, Windows fonts
	graphical resolution (pixels)	640 x 480	640 x 480	640 x 480 / 800 x 600	800 x 600 / 1024 / 768
Power supply	A types	100-240V AC	100-240V AC	100-240V AC	100-240V AC
	D types	24V DC	24V DC	24V DC	24V DC
Internal memory capacity		VN: 5MB (expandable to 53MB) VT: 9MB (expandable to 57MB)	5MB (expandable to 53MB)	9MB (expandable to 57MB)	9MB (expandable to 57MB)
Memory card slot		1 (compact flash 256MB max)	1 (compact flash 256MB max)	1 (compact flash 256MB max)	1 (compact flash 256MB max)
Keyboard type		Touch-panel	Touch-panel	Touch-panel	Touch-panel
Function keys	internal	Touch keys	Touch keys	Touch keys	Touch keys
	external	-	-	-	-
LED indicators		1	1	1	1
Interfaces	serial	RS232C	RS232C	RS232C	RS232C
	parallel	-	-	-	-
	others	USB (on panel front)	USB (on panel front)	USB (on panel front)	USB (on panel front)
Interface slot for optional cards		1 / 2	1	2	2
Real-time clock		Integrated	Integrated	Integrated	Integrated
Network communication possibilities		Ethernet (TCP/IP), CC-Link, RS422, A-Bus, Q-Bus, Melsecnet/10	Ethernet (TCP/IP), CC-Link, RS422, A-Bus, Q-Bus, Melsecnet/10	Ethernet (TCP/IP), CC-Link, RS422, A-Bus, Q-Bus, Melsecnet/10	Ethernet (TCP/IP), CC-Link, RS422, A-Bus, Q-Bus, Melsecnet/10
IP Rating (front panel)		IP67	IP67	IP67	IP67
Dimensions W x H x D (mm)		241 x 150 x 56	303 x 214 x 56	303 x 214 x 56	316 x 242 x 56 / 397 x 296 x 61
Weight (kg)		1.9	2.3	2.3 / 2.4	2.8 / 4.9

* Ladder monitor functionality can be installed on the GT1562 & above.

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Controls & Drives

GOT 1000 series

GOT 1000 terminals

GOT 1000 Series 24V DC Powered

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
200492	GT1020-LBD2	Graphical Touch terminal; 3.7" STN-Display; 160x64 pixels; monochrome, 24V DC, RS232 PLC-interface	£185.00	Call	Call
200738	GT1020-LBL	Graphical Touch terminal; 3.7" STN-Display; 160x64 pixels; monochrome, 5V DC via FX-CPU-Port, RS422 to FX	£185.00	Call	Call
162709	GT1150-QLBD	Graphic Touch terminal; 5.7" STN-Display; 320x240 Pixel; 16 grayscales	£499.00	Call	Call
162710	GT1155-QSBD	Graphic Touch terminal; 5.7" STN-Display; 320x240 Pixel; 256 colours	£649.00	Call	Call
170180	GT1150HS-QLBD Handy-Type	Graphic Touch terminal; 5.7" STN-Display; 320x240 Pixel; 16 grayscales, hand held version with latchable stop switch.	£799.00	Call	Call
170181	GT1155HS-QSBD Handy Type	Graphic Touch terminal; 5.7" STN-Display; 320x240 Pixel; 256 colours, hand held version with latchable stop switch.	£949.00	Call	Call
169480	GT1562-VNBD	Graphic operator terminal; 8.4" touch screen; 640x480 Pixel, 5MB Memory, 16 colour TFT-Display	£1,399.00	Call	Call
162705	GT1565-VTBD	Graphic operator terminal; 8.4" touch screen, 640x480 Pixel, 9MB Memory, 256/65K colour TFT-Display	£1,599.00	Call	Call
169482	GT1572-VNBD	Graphic operator terminal; 10.4" touch screen, 640x480 Pixel, 5MB Memory, 16 colour TFT-Display	£1,499.00	Call	Call
169483	GT1575-VNBD	Graphic operator terminal; 10.4" touch screen, 640x480 Pixel, 5MB Memory, 256 colour TFT-Display	£1,799.00	Call	Call
169484	GT1575-VTBD	Graphic operator terminal; 10.4" touch screen, 640x480 Pixel, 9MB Memory, 256/65K colour TFT-Display	£1,999.00	Call	Call
169485	GT1575-STBD	Graphic operator terminal; 10.4" touch screen, 800x600 Pixel, 9MB Memory, 256/65K colour TFT-Display	£2,200.00	Call	Call
169486	GT1585-STBD	Graphic operator terminal; 12.1" touch screen, 800x600 Pixel, 9MB Memory, 256/65K colour TFT-Display	£2,400.00	Call	Call

GOT 1000 Series 110-240V AC Powered

166240	GT1562-VNBA	Graphic operator terminal; 8.4" touch screen; 640x480 Pixel, 5MB Memory, 16 colour TFT-Display	£1,399.00	Call	Call
162705	GT1565-VTBA	Graphic operator terminal; 8.4" touch screen, 640x480 Pixel, 9MB Memory, 256 / 65K colour TFT-Display	£1,599.00	Call	Call
166241	GT1572-VNBA	Graphic operator terminal; 10.4" touch screen, 640x480 Pixel, 5MB Memory, 16 colour TFT-Display	£1,499.00	Call	Call
166242	GT1575-VNBA	Graphic operator terminal; 10.4" touch screen, 640x480 Pixel, 5MB Memory, 256 colour TFT-Display	£1,799.00	Call	Call
162706	GT1575-VTBA	Graphic operator terminal; 10.4" touch screen, 640x480 Pixel, 9MB Memory, 256/65K colour TFT-Display	£1,999.00	Call	Call
162707	GT1575-STBA	Graphic operator terminal; 10.4" touch screen, 800x600 Pixel, 9MB Memory, 256/65K colour TFT-Display	£2,200.00	Call	Call
162708	GT1585-STBA	Graphic operator terminal; 12.1" touch screen, 800x600 Pixel, 9MB Memory, 256/65K colour TFT-Display	£2,400.00	Call	Call
169464	GT1595-XTBA	Graphic operator terminal; 15" touch screen, 1024x768 Pixel, 9MB Memory, 256/65K colour TFT-Display	£2,999.00	Call	Call

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GOT 1000 series

Controls & Drives

GOT 1000 accessories

GOT 1000 Series Accessories

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
200493	GT10-C10R4-8P	FXCPU communication cable RS422, length 1m, Mini-DIN 8-pin plug	£14.00	Call	Call
200494	GT10-C30R4-8P	FXCPU communication cable RS422, length 3m, Mini-DIN 8-pin plug	£19.00	Call	Call
200495	GT10-C100R4-8P	FXCPU communication cable RS422, length 10m, Mini-DIN 8-pin plug	£36.00	Call	Call
200496	GT10-C30R4-25P	QnA/ACPU communication cable RS422, length 3m, 25-pin D-SUB plug	£19.00	Call	Call
200497	GT10-C100R4-25P	QnA/ACPU communication cable RS422, length 10m, 25-pin D-SUB plug	£36.00	Call	Call
200498	GT10-C30R2-6P	SystemQ CPU communication cable RS232, length 3m, Mini-DIN 6-pin plug	£19.00	Call	Call
128424	QC30R2	GT1020 PC-programming cable RS232, length 3m, 9-pin D-SUB to Mini-DIN 6-pin	£42.00	Call	Call
163942	GT11-50FNB	Function card to use additional functionality of GT1100 HMIs	£32.00	Call	Call
163943	GT11-50BAT	Battery for GT1100 HMIs for clock and data backup	£29.00	Call	Call
163944	GT11-50PSGB	Protective sheets for GT115x-VTBA (incl. 5pcs)	£19.00	Call	Call
163945	GT11-50PSCB	Protective sheets (anti-reflection) for GT115x (incl. 5pcs)	£19.00	Call	Call
163946	GT11-50PSGW	Protective sheets (with white frame) for GT115x (incl. 5pcs)	£19.00	Call	Call
163947	GT11-50PSCW	Protective sheets (with white frame, anti-reflection) for GT115x (incl. 5pcs)	£19.00	Call	Call
163949	GT01-C10R4-8P	Cable between MELSEC FX PLCs RS422 (8pin Mini-Din) and GOT1000 HMIs RS422; 1m	£63.00	Call	Call
163948	GT01-C30R4-8P	Cable between MELSEC FX PLCs RS422 (8pin Mini-Din) and GOT1000 HMIs RS422; 3m	£76.00	Call	Call
163950	GT01-C100R4-8P	Cable between MELSEC FX PLCs RS422 (8pin Mini-Din) and GOT1000 HMIs RS422; 10m	£127.00	Call	Call
163953	GT01-C30R4-25P	Cable between MELSEC FX PLCs RS232/QnA CPU Port RS422 (25pin D-SUB) & GOT1000, 3m	£108.00	Call	Call
163954	GT01-C100R4-25P	Cable between MELSEC FX PLCs RS232/QnA CPU Port RS422 (25pin D-SUB) & GOT1000, 10m	£127.00	Call	Call
163959	GT01-C30R2-6P	Cable between MELSEC System Q CPU-Port RS232 (6pin Mini-Din) and GOT1000, RS232; 3m	£108.00	Call	Call
189489	GT09-C20USB-PROG-2M	USB programming cable for GOT1000-Series; 2m	£15.00	Call	Call
166305	GT15-75QBUSL	Interface for GT1500 HMIs and Q-bus of Melsec System Q; 1 channel	£116.00	Call	Call
166306	GT15-75QBUS2L	Interface for GT1500 HMIs and Q-bus of Melsec System Q; 2 channel	£174.00	Call	Call
166309	GT15-J71E71-100	Ethernet interface for GT1500 HMIs (RJ45 Connector)	£174.00	Call	Call
166310	GT15-75J61BT13-Z	CC-LINK interface for GT1500 HMIs (Intelligent Station)	£349.00	Call	Call
166311	GT15-75J71LP23-Z	MELSECNET 10 interface for GT1500 HMIs (fibre optic)	£699.00	Call	Call
166312	GT15-75J71BR13-Z	MELSECNET 10 interface for GT1500 HMIs (coaxial)	£699.00	Call	Call
166313	GT15-FNB	Function card to use additional functionality of GT1500 HMIs and A/FX monitor	£77.00	Call	Call
166314	GT15-QFNB	Function card to use additional functionality of GT1500 HMIs and System Q/QnA/A/FX monitor	£116.00	Call	Call
166315	GT15-QFNB16M	Function card to use additional functionality of GT1500 HMIs + 16MB project memory	£213.00	Call	Call
166316	GT15-QFNB32M	Function card to use additional functionality of GT1500 HMIs + 32MB project memory	£252.00	Call	Call
166317	GT15-QFNB48M	Function card to use additional functionality of GT1500 HMIs + 48MB project memory	£291.00	Call	Call
166324	GT15-VHNB	Card for using the Multi Colour Support (64k colours) of GT1500 HMIs	£262.00	Call	Call
166329	GT15-60PSCB	Protective sheets for GT1565-VTBA (incl. 5pcs)	£23.00	Call	Call
166333	GT15-70PSCB	Protective sheets for GT1575-VTBA/STBA (incl. 5pcs)	£29.00	Call	Call
166337	GT15-80PSCB	Protective sheets for GT1585-STBA (incl. 5pcs)	£46.00	Call	Call
166343	GT15-60ATT-96	Adapter plate for fitting a GT1565-VTBA into an A960GOT cut out	£29.00	Call	Call
166344	GT15-60ATT-97	Adapter plate for fitting a GT1565-VTBA into an A970GOT cut out	£29.00	Call	Call
166345	GT15-BAT	Battery for GT1500 HMIs for clock and backup	£23.00	Call	Call
166347	GT15-QC12B	Connection cable for Q-BUS between GT1500 and MELSEC System Q; 1m	£60.00	Call	Call
166348	GT15-QC30B	Connection cable for Q-BUS between GT1500 and MELSEC System Q; 3m	£96.00	Call	Call
166350	GT15-QC100B	Connection cable for Q-BUS between GT1500 and MELSEC System Q; 10m	£242.00	Call	Call
191013	GT11H-C30-37P	External connection cable between cabinet and GT11 Handy-Types, length 3m	£89.00	Call	Call
191014	GT11H-C60-37P	External connection cable between cabinet and GT11 Handy-Types, length 6m	£129.00	Call	Call
191015	GT11H-C100-37P	External connection cable between cabinet and GT11 Handy-Types, length 10m	£149.00	Call	Call
191016	GT11H-C30	External connection cable between FA components, Power supply, operation switches and GT11 Handy-Types, length 3m	£89.00	Call	Call
191017	GT11H-C60	External connection cable between FA components, Power supply, operation switches and GT11 Handy-Types, length 6m	£129.00	Call	Call
191018	GT11H-C100	External connection cable between FA components, Power supply, operation switches and GT11 Handy-Types, length 10m	£149.00	Call	Call
191019	GT11H-C15R4-8P	Internal connection cable between cabinet and MELSEC FX, FX2N, FX3U Programming port, length 1.5m, RS422	£53.00	Call	Call
191020	GT11H-C15R4-25P	Internal connection cable between cabinet and MELSEC A/QnA/AnS/QnAS Programming port, length 1.5m, RS422	£53.00	Call	Call
191021	GT11H-C15R2-6P	Internal connection cable between cabinet and MELSEC SystemQ Programming port, length 1.5m, RS232	£53.00	Call	Call
191022	GT11H-50ESCOV	Emergency Stop switch guard cover for GT11H Handy types, GOT1000	£30.00	Call	Call
191023	GT11H-50PSC	Protection sheets for GT11H Handy Type GOT1000, set of 5 pieces	£30.00	Call	Call

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Prices shown exclude VAT & are subject to BPX standard terms & conditions of sale

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Controls & Drives

Portable PCs

product information



Portable PCs from Hewlett Packard, for prices please contact your local branch.

Ultra-Light (2000 series)

Go Everywhere

Innovative, smaller, lighter

2510p

Lighten your workload

- 12.1" widescreen
- 1 or 2 spindle
- Intel processors
- 3G Broadband wireless
- < 1.3kg (1sp version)
- Windows XP Pro, Vista Business

Replaces nc2400, nc4400

2710p

Productivity with a twist

- 12.1" widescreen
- Convertible tablet
- Intel processors
- 3G Broadband wireless
- Intel Centrino Pro
- Starting at 1.6kg
- Windows XP Pro, Vista Business

Replaces tc4400

Performance (8000 series)

Go Powerful

High-end graphics, intensive application capabilities, larger displays

8510p/w

Power Plus Portability / Portable Powerhouse

- 15.4" widescreen
- Intel Core 2 Duo Processors
- Intel 64bit
- Intel Centrino Pro
- Starting at 2.8kg
- Mobile workstation available
- Windows XP Pro, Vista Business

Replaces nc8430, nw8440

8710p/w

Feel the Power. Enjoy the View. Power to Perform

- 17" widescreen
- Intel Core 2 Duo Processors
- Intel 64bit
- Intel Centrino Pro
- Starting at 3.4kg
- Mobile workstation available
- Windows XP Pro, Vista Business

Replaces nx9420, nw9440

Balanced Mobility (6000 series)

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Thin & light, blend of performance, mobility & value

6510b

Business Traveler

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- 3G Broadband wireless
- 802.11n
- Starting at 2.4kg
- Windows XP Pro, Vista Business

Replaces nc6320

6715s/6715b

Financially Smart / Ideal Productivity & Enhanced Security

- 15.4" widescreen
- AMD processors
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- Starting at 2.7kg
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Replaces nx6325

6710s/6710b

Beyond the Basics / Tailored for Business

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- 3G Broadband wireless
- 802.11n
- Starting at 2.6kg
- Windows XP Pro, Vista Business

Replaces nc6320, nx6310, nx7300, nx7400

6910p

Corporate Elite

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Replaces nc6400

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Controls & Drives

Software

product information



- HMI Programming Software
- PLC Programming Software
- “Bundled” Software

HMI Programming Software

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
136498	E-Designer CD	Windows PC programming software for E Series, CD only but inc. complete set of electronic manuals. For Windows 98, NT, 2000 & XP.	£79.00	Call	Call
140062	E-Designer Kit	Windows PC programming software for E Series, inc. CAB5 HMI programming cable and complete set of electronic manuals for E Series HMI's. For Windows 98, NT, 2000 & XP.	£99.00	Call	Call
200451	E-Designer E1000 Kit	Windows PC programming software for E1000 Series, inc. HMI programming cable & complete set of electronic manuals. For Windows 98, NT, 2000 & XP.	£99.00	Call	Call
139802	SW5D5C-GOTR-PACKE	GT Works, Windows based programming software for GOT series HMIs, including GT Designer II.	£244.00	Call	Call

GX - PLC Programming Software

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
135012	GX-Developer-Pack	Windows PLC Programming Software inc. cable SC09	£699.00	Call	Call
135014	GX-Developer-UG	Windows PLC Programming Software not including cable or PAK code (upgrade only)	£150.00	Call	Call
133619	GX-Developer-FX-Pack	Windows PLC Programming Software for FX Series PLC inc. cable SC09	£299.00	Call	Call

GX IEC Developer IEC 61131-3 Compliant

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
140047	GX-IEC-Developer-Pack	Windows Programming Software, IEC 61131-3, for FX/AnS/A/Q inc. manuals, interface cable	£799.00	Call	Call
140049	GX-IEC-Developer-CD	Windows Programming Software, IEC 61131-3, for FX/AnS/A/Q inc. manuals, not interface cable	£699.00	Call	Call
140050	GX-IEC-Developer-UG	Windows Programming Software upgrade, IEC 61131-3, for FX/AnS/A/Q inc. manuals, not interface cable (upgrade only)	£299.00	Call	Call

"Bundled" Software

SAP No.	Catalogue No.	Description	Price	Discount	Nett Price
146667	MSSP-GXFX-SW	E Designer & GX Developer FX (software only)	£410.00	Call	Call
146657	MSSP-GX-SW	E Designer, GX Developer & Simulator, MXChange*, GX Configurator DP & GX Configurator UT (software only)	£1,578.00	Call	Call
146662	MSSP-GXIEC-SW	E Designer, GX IEC Developer & Simulator, MXChange*, GX Configurator DP & GX Configurator UT (software only)	£1,653.00	Call	Call

* Common Database configuration & tag management tool

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