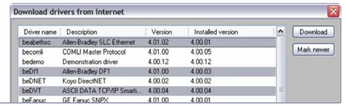
Quick and easy intuitive configuration

E-Designer's easy-to-learn usability makes it easy to create applications that are logical and user friendly, enabling flexible and efficient interfaces between systems, machines and operators. Ready-made templates and symbols, intuitive configuration tools and built-in help-functions make the design process easy. You can get your first application running in under 10 minutes, creating applications by simply pointing and placing on the screen. The visual environment provides a complete overview in the project manager, so you can see what's happening in the process and an off-line simulator enables instant application testing. E-Designer has multiple language usability for international applications.

Drivers enable full connectivity

The E1000 series includes a wide selection of drivers, affording unlimited connectivity with most brands and types of control systems and automation equipment on the market, with new drivers developed and updated continuously, downloaded free of charge directly into the configuration tool from the website, ensuring that all available drivers are of the latest version.

For an updated list of drivers, please visit our website.



Remote access and control

The Remote Access Viewer is a program for the remote access and control of E1000 operator panels from your PC. This Virtual Network Computing client program together with the built-in VNC server, the Remote Access Function, facilitates access to an Ethernet network connected E1000 panel from your PC, provided you are connected to the same Ethernet network. If both the operator panel and your PC are connected to the Internet, you can access the E1000 from your PC anywhere at all – helpful when performing remote customer support, remote control and troubleshooting.

Easy installation cables

An extensive range of custom made cables is available to enable connection to third party controller products.

Expansion modules

The Ethernet, Profibus, MPI and CAN expansion modules enable the E1000 panel to communicate with networks and are easily mounted on the back of the panel. All settings and configurations are made easy by the Information Designer software.

Extended Functions Keyboard

Expand the functionality of your E1000 panel by adding the X-Key 16 keyboard unit. Offering 16 function keys and LEDs, up to four extended keyboard units can be connected to one panel for a total of 64 extra function keys and LEDs. The X-Key 16 is simple to implement in your application, with configuration made easy by the E-Designer software.

World-class support

GLOBAL ONLINE SUPPORT

In addition to supplying state-of-the-art HMI products, we offer support and service around the world through our own offices and our partners. On our website you can find start-up guides, manuals, e-Learning and technical support - everything you need to make E1000 and our other products even easier to use.

Beijer Electronics HMI Products is a pioneer in connecting people with the processes they control. Our HMI solutions build on 25 years of automation knowledge, yet they handle industrial applications with everyday ease. Used with simple intuition, they set machines, information and ideas in motion.

Beijer Electronics HMI Products has close relationships with OEMs, brand-label partners and distribution partners worldwide and is part of Beijer Electronics Group, which is active within HMI, industrial data communications and automation with subsidiaries in Scandinavia, the Baltics, Germany, France, UK, USA, Taiwan and China. For the representative nearest you, please visit our website.

2007 FROST & SULLIVAN European Human Machine Interface Competitive Strategy Leadership Award

FROM PERSON TO PROCESS.

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Beijer ELECTRONICS

MAEN502A 2008-07

E1000 SERIES - FOR THE FUTURE.

Robust and elegant HMI design

Combining form and function, the E1000 panel's award winning design brings high-performance together with robust construction to deliver future-proof solutions that enable virtually any HMI task imaginable. Sharpening competitive edge by putting the needs of the user in focus, the intuitive and ergonomic E1000 series comes in a variety of touch screen models, keypad models and even a handheld model, a number of these even available in black, black sun-readable and stainless steel versions.

FROM PERSON TO PROCESS.

Beijer ELECTRONICS

HIGH PERFORMANCE HMI FOR ALL TYPES OF INDUSTRIES.

E1000's award winning design combines form and function, fusing high-performance with robust elegance to provide intuitive solutions for all HMI needs.

Ready for all applications

The E1000 panels comply with the toughest industry standards such as CE, UL and DNV. The robust and reliable panels have shallow mounting-depths to enable full control with space saving efficiency. The panels are 100% dimmable and easy to clean, with a high-pressure water-resistant IP66 front, making them perfect for installation everywhere from onboard ships and oil rigs to sterile rooms and chemically challenging environments. E1000 has proven its worth in many applications, including:

- Automotive industry
- Transportation
- Pharmaceuticals
- Food & Beverage
- Oil & Gas
- Packaging
- Water and electrical utilities
- Semiconductor production
- Telecom
- Asset management
- Building automation
- Marine & Offshore

HMI functions for your needs

The E1000 series offers advanced HMI functionality that enables you to operate the panels remotely, plan and monitor your operations with for example recipes, data logging, trending and the flexible alarm handling. Furthermore, multiple language support enables you to offer end-customers a choice of languages in the operator interface. See specifications for each E1000 model in the overview table, or visit our website to learn more about all of E1000's functionality.

product design award 2005 ■ product design award 2006 ■ product design award 2007 ■

	E1012	E1022	E1032	E1060/E1062	E1070	E1100	E1041/E1043	E1061/E1063	E1071	E1101	E1151	E1151 STAINLESS STEEL
HARDWARE SPECIFICATIONS												
Display size	160 x 32 pxl	240 x 64 pxl		5.7", 320 x 240 pxl	6.5", 640 x 480 pxl	10.4", 800 x 600 pxl	3.5", 320 x240 pxl	5.7", 320 x 240 pxl	6.5", 640 x 480 pxl	10.4", 800 x 600 pxl	15.0", 1024 x 768 pxl	15.0", 1024 x 768 pxl
Display type	Monochrome FSTN			TFT,64K color / TFT, 16 greyscales	TFT, 64K color	TFT, 64K color	TFT, 64 K color / TFT, 16 grayscales	TFT, 64 K color / TFT, 16 grayscales	TFT, 64 K color	TFT, 64 K color	TFT, 64 K color	TFT, 64 K color
Frame and casing material	Powder-coated aluminium (grey)						Powder-coated aluminium (grey)		Powder-coated aluminium (grey)			Stainless steel(-st)
Display backlight	LED with dimming				CCFL with dimming		LED with dimming		CCFL with dimming			
Function keys	6 in total with integrated LED and text strip		8 in total with integrated LED and text strip	16 in total (8 with integrated LED and text strip)		22 in total (10 with integrated LED and text strip)	-					
LEDs	6 in total		16 in total (8 with integrated LED and text strip)			20 in total (10 with integrated LED and text strip)	-					
COMMUNICATION PORTS												
Fieldbusses (expansion modules)	Profibus		Profibus, MPI* and CAN*				Profibus, MPI* and CAN*					
Ethernet	Available as expansion module 10 Mbit/s shielded RJ45		10/100 Mbit/s shielded RJ45				10/100 Mbit/s shielded RJ45					
USB Host	-		Yes, type A (USB 1.1), max output current 500mA				Yes, type A (USB 1.1), max output current 500mA					
USB Device	-				Yes, type B (USB 1.1)		-		Yes, type B (USB 1.1)			
RS485/RS422 25-pin D-sub	Chassis-mounted female with standard locking screws 4-40 UNC						Chassis-mounted female with standard locking screws 4-40 UNC					
RS232 9-pin D-sub	Male with standard locking screws 4-40 UNC						Male with standard locking screws 4-40 UNC					
PROCESSOR	84 MHz RISC CPU (ARM7)		312 MHz RISC CPU (Intel Xscale)		416 MHz RISC CPU (Intel Xscale)		312 MHz RISC CPU (Intel Xscale)		416 MHz RISC CPU (Intel Xscale)			
FLASH MEMORY	4 MB (Spansion Flash)		32 MB (Intel StrataFlash)				32 MB (Intel StrataFlash)					
FLASH MEMORY FOR APPLICATION (incl. fonts)	512 kB		12 MB				12 MB					
MEMORY, RAM	64 MB						64 MB					
MEMORY EXPANSION SLOT	-				Compact flash, type I and II		-		Compact flash, type I and II			
BUZZER	Yes						Yes					
REAL-TIME CLOCK	±20 PPM + error because of ambient temperature and supply voltage. Total maximum error: 1 min/month at 25 °C . Temperature coefficient: 0.004 ppm/ °C2						±20 PPM + error because of ambient temperature and supply voltage. Total maximum error: 1 min/month at 25 °C . Temperature coefficient: 0.004 ppm/ °C2					
SUPPLY VOLTAGE	+24 V DC (20 - 30 V DC)						+24 V DC (20 - 30 V DC)					
OPERATING TEMPERATURE	0 ° to +50 °C						0 ° to +50 °C					
STORAGE TEMPERATURE	-20 ° to +70 °C						-20 ° to +70 °C					
RELATIVE HUMIDITY	5 - 85 % non-condensed						5 - 85 % non-condensed					
DIMENSIONS W x H x D (mm)	155 x 114 x 52.4	155 x 155 x 52.4	202 x 187 x 63.6	275 x 168 x 63.3	285 x 177 x 62	382 x 252 x 64	155.8 x 119 x 62.8	202 x 152 x 63.3	219 x 154 x 61	302 x 228 x 64	398 x 304 x 66	398 x 304 x 66
Cut-out dimensions W x H x D (mm)	121 x 80	120 x 138	166 x 149	240 x 130	246 x 139	343 x 208	139 x 105	180 x 130	189 x 138	265 x 206	356 x 279	356 x 279
Mounting depth (mm)	46.4	46.4	57.6	57.3	56.0	58.0	56.8	57.3	55	58	60	60
Weight (kg)	0.45	0.55	0.95	1.2	1.4	2.5	0.6	0.9	1.2	2.1	3.7	4.8
APPROVAL AND ENCLOSURE CLASSES												
EMC directive 2004/108/EC article5	Noise tested according to EN61000-6-3 emission and EN61000-6-2 immunity				Noise tested according to EN61000-6-4 emission and EN61000-6-2 immunity		Noise tested according to EN61000-6-3 emission and EN61000-6-2 immunity		Noise tested according to EN61000-6-4 emission and EN61000-6-2 immunity			
UL, cUL	UL 1604 Class I, Div 2 / UL 508 / UL 50 4x indoor use only						UL 1604 Class I, Div 2 / UL 508 / UL 50 4x indoor use only					-
NEMA	4x indoor use only						4x indoor use only					-
Front / Back cover protection class	IP66 / IP20						IP66 / IP20					
Certifications	DNV, Germanischer Lloyd, IACS, RINA						DNV, Germanischer Lloyd, IACS, RINA					-
FUNCTIONALITY SPECIFICATION												
	Alarm management (one group) / Dual drivers with data exchange / Dynamic objects / Internal variables / Macros / Message libaries / Multiple languages (with up to 10 languages in one project) / No protocole mode / Passthrough mode (dependent on the driver) / Password security (up to 8 levels) / Recipe management / Reports / Time channels / Transparent mode (dependent on the driver)		Access to controller system via Internet / Alarm management (with up to 16 groups) / Data logger / Data recipe / Dual drivers with data exchange / Dynamic objects / E-mails (SMTP Auth. Client) / Internal variables / I/O Poll interval groups / Macros / Message libraries / Multiple languages (with up to 10 languages in one project) / No protocole mode / Passthrough mode (dependent on the driver) / Password security (up to 8 levels) / Recipe management / Remote operation via internet / Reports / Set time and date / Time channels / Transfer of files (FTP server) / Transparent mode (dependent of the driver) / Trends (real-time and historic / Upload application / Web server / Operator panel network (BDTP network)			Access to controller system via Internet / Alarm management (with up to 16 groups) / Data logger / Data recipe / Dual drivers with data exchange / Dynamic objects / E-mails (SMTP Auth. Client) / Internal variables / I/O Poll interval groups / Macros / Message libraries / Multiple languages (with up to 10 languages in one project) / No protocole mode / Passthrough mode (dependent on the driver) / Password security (up to 8 levels) / Recipe management / Remote operation via internet / Reports / Set time and date / Time channels / Transfer of files (FTP server) / Transparent mode (dependent of the driver) / Trends (real-time and historic / Upload application / Web server / Operator panel network (BDTP network)			
	-	Real-time trends										