

Increase the flexibility

Extended function keyboard

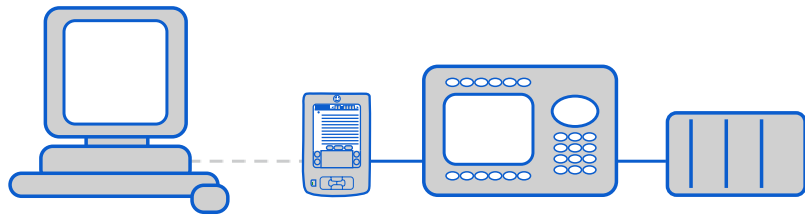
The extended function keyboard C-Key16 expands the functionality of operator terminals by adding 16 function keys with text strips and LEDs to a touch terminal, or by simply increasing the number of function keys for other terminals.



The keyboard measures 200 x 110 x 28 mm and has RS232, RS422 and RS485 ports. Up to four extended keyboards can be connected to one operator terminal. All of Beijer Electronics' graphic operator terminals from the CIMREX 30 to the CIMREX 91 support the C-Key16.

Safe and easy updates in the palm of your hand

With the freeware application HMI Tools for Palm™ handhelds, Beijer Electronics provides you with an opportunity to easily maintain and update remote applications.



- Safe update of system programs and projects without traveling with your PC - just send a Palm™
- Stay connected on the factory floor with easy upload and download of recipes, alarms, trends and HTML-pages

Free downloads

You will find this freeware on our website as well as other valuable features:

The online cable guide helps you find the right cables for your application, and the downloads area provides you with extensive help and information. Download manuals, program updates, Start-up documents, software examples, manufacturer's declarations, free demos, new drivers and much more...

www.beijerelectronics.com

This is Beijer Electronics

Beijer Electronics is a world-leading supplier of operator terminals. With more than twenty years of experience in developing and marketing HMI products, we have unique knowledge and understanding of the requirements for operator terminals in the global market. Close, long-term relationships with distributors, OEMs and brand-label partners continuously contribute to making our operator terminals exceptional products. The high quality and functionality of our product range provides the right functionality for any need.

Advanced features and quality of design make our operator terminals ideal for any industry. Our operator terminals are used in the following sectors: automotive, pharmaceutical, food, packaging, semiconductors, power, telecom and offshore.

Beijer Electronics AB is quoted on the Stockholm Stock Exchange. The head office is in Malmö, Sweden, with subsidiary offices in Germany and the US.

For our worldwide distributors, please visit www.beijerelectronics.com.

Beijer
ELECTRONICS

Head Office
Beijer Electronics AB
Box 426
SE-201 24 Malmö, Sweden
Telephone +46 40 35 86 00
Telefax +46 40 93 23 01

Branch Offices
Beijer Electronics GmbH
Zettachring 2A
DE-705 67 Stuttgart, Germany
Telephone +49 711 327 599-0
Telefax +49 711 327 599-10

Beijer Electronics Inc.
939 North Plum Grove Road, Suite F
US-Schaumburg IL 60173, USA
Telephone +1 847 619 6068
Telefax +1 847 619 6674

BREN0342B 2004-08

Internet www.beijerelectronics.com E-mail info@beijerelectronics.com

Product overview

CIMREX operator terminals provide the right functionality

Beijer
ELECTRONICS



Cimrex



														
		CIMREX 5	CIMREX 10	CIMREX 12	CIMREX 20	CIMREX 30	CIMREX 41	CIMREX 60	CIMREX 67	CIMREX 69/69T	CIMREX 70	CIMREX 90/90D	CIMREX 91/91D	
DISPLAY	Display type	STN-LCD	STN-LCD	STN-LCD	STN-LCD	STN-LCD	FSTN-LCD, black/white, touch	STN-LCD, black/white	STN-LCD, 16 grays, touch	STN-/TFT-LCD color, touch	STN-LCD color	TFT-LCD color	TFT-LCD color, touch	
	Presentation form	Text	Text	Text	Text	Graphics + Text	Graphics + Text	Graphics + Text	Graphics + Text	Graphics + Text	Graphics + Text	Graphics + Text	Graphics + Text	
	Display size	2 rows x 16 characters	2 rows x 20 characters	2 rows x 20 characters	4 rows x 20 characters	240 x 64 pixels	320 x 240 pixels	240 x 128 pixels	320 x 240 pixels	320 x 240 pixels	320 x 240 pixels	640 x 480 pixels	640 x 480 pixels	
	Active area of display W x H (mm)	55.7 x 11.0	73.5 x 11.5	75.4 x 11.5	70.4 x 20.8	127.2 x 33.9 (5.2")	76.8 x 57.6 (3.8")	120.0 x 64.0 (5.3")	115.2 x 86.4 (5.7")	115.2 x 86.4 (5.7")	115.2 x 86.4 (5.7")	211.2 x 158.4 (10.4")	211.2 x 158.4 (10.4")	
	Backlight lifetime (h)	50,000	50,000	50,000	50,000	50,000	50,000	15,000	25,000	69: 40,000 69T: 50,000	40,000	50,000	50,000	
KEYBOARD	Text height (mm)	5	5	5	5	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	
	LEDs	—	—	—	5 (two colors)	16 (two colors)	—	16 (two colors)	—	—	16 (two colors)	20 (two colors)	—	
	Function keys	4	3	3	5 (with text strip)	8 (with text strip)	—	16 (8 with text strip)	—	—	16 (8 with text strip)	22 (10 with text strip)	—	
FUNCTIONALITY	Transparent mode (1)	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Passthrough mode	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Dual drivers with data exchange	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Web functionality (server, e-mail, FTP)	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Multilanguage/Unicode support	—	Yes/—	Yes/—	Yes/—	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	
	Recipe management	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Alarm management	—	—	—	1 group	Up to 4 groups	Up to 5 groups	Up to 4 groups	Up to 5 groups	Up to 5 groups	Up to 16 groups	Up to 16 groups	Up to 11 groups	
	Time channels	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Real-time clock	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Trend graphs	—	—	—	—	Real time	Historic	Historic	Historic	Historic	Historic	Historic	Historic	
	Report printouts	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Password security	—	8 levels	8 levels	8 levels	8 levels	8 levels	8 levels	8 levels	8 levels	8 levels	8 levels	8 levels	
	Buzzer	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Application memory	16 kB Flash	64 kB Flash	64 kB Flash	64 kB Flash	400 kB Flash/8 MB expansion	400 kB Flash	400 kB Flash/8 MB expansion	400 kB Flash/8 MB expansion	400 kB Flash/8 MB expansion	400 kB Flash/8 MB expansion	400 kB Flash/8 MB expansion	1600 kB Flash/8 MB expansion	1600 kB Flash/8 MB expansion
	Number of expansion card slots	—	—	—	—	1	—	1	1	1	1	2	2	
	Communication interfaces	RS422 or RS232	RS422 and RS232	RS485/RS422, RS232(2)	RS485/RS422, RS232(2)	RS422 and RS232	RS485/RS422, RS232(2)	RS422 and RS232	RS485, RS422, RS232(2)	RS485, RS422, RS232(2)	RS485, RS422, RS232(2)	RS422 and RS232	RS422 and RS232	RS422 and RS232
Terminal reflection via Internet	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Support for HMI Tools for Palm™ handhelds	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Support for C-Key16	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
ENVIRONMENT	Ambient temperature	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	0°C - +50 °C	
	Waterproof front	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	IP65, NEMA 4X (3)	90: IP65, NEMA 4 90D: IP65, NEMA 4X (3)	91: IP65, NEMA 4 91D: IP65, NEMA 4X (3)	
	EMC	EN50081-1, EN61000-6-2	EN50081-1, EN61000-6-2	EN61000-6-3, EN61000-6-2	EN50081-1, EN61000-6-2	EN50081-1, EN61000-6-2	EN61000-6-3, EN61000-6-2	EN50081-1, EN61000-6-2	EN50081-2, EN61000-6-2	69: EN50081-2, EN61000-6-2 69T: EN50081-1, EN61000-6-2	EN61000-6-3, EN61000-6-2	90: EN50081-2, EN61000-6-2 90D: EN61000-6-4, EN61000-6-2	91: EN50081-2, EN61000-6-2 91D: EN61000-6-4, EN61000-6-2	
	LVD	—	—	—	—	—	—	—	—	—	—	90: EN60950	91: EN60950	
	UL	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	UL 508, UL 1604 (4)	90: UL 1950, UL 1604 (4) 90D: UL 508, UL 1604 (4)	91: UL 1950, UL 1604 (4) 91D: UL 508, UL 1604(4)
POWER	DNV	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Power supply	+5 VDC ±5 %	+5 VDC ±5 %	+24 VDC, 20-30 V	+24 VDC, 20-30 V	+24 VDC, 20-30 V	+24 VDC, 20-30 V	+24 VDC, 20-30 V	+24 VDC, 20-30 V	+24 VDC, 20-30 V	+24 VDC, 20-30 V	90: 100-240 VAC 90D: +24 VDC, 20-30 V	91: 100-240 VAC 91D: +24 VDC, 20-30 V	
	Power consumption	Max 200 mA (5 V)	Max 200 mA (5 V)	Max 150 mA (24 V)	Max 150 mA (24 V)	Max 450 mA (24 V)	Max 150 mA (24 V)	Max 450 mA (24 V)	Max 400 mA (24 V)	Max 450 mA (24 V)	Max 550 mA (24 V)	90: Max 0.35 A 90D: 1 A	91: Max 0.35 A 91D: 1 A	
DIMENSIONS	Dimensions W x H x D (mm)	104 x 69 x 38.5 (4.1x2.7x1.6)	142 x 90 x 32 (5.6x3.5x1.3)	142 x 90 x 46.5 (5.6x3.5x1.8)	147 x 163.5 x 43 (5.8x6.4x1.7)	214 x 194 x 75 (8.4x7.6x3.0)	142 x 90 x 47.5 (5.6x3.5x1.9)	214 x 232 x 74 (8.4x9.1x3.0)	200 x 150 x 74 (7.8x5.9x2.9)	200 x 150 x 74 (7.8x5.9x2.9)	200 x 150 x 74 (7.8x5.9x2.9)	276 x 194 x 93.5 (10.9x7.6x3.7)	367 x 274 x 96 (14.4x10.8x3.8)	290 x 247 x 114 (11.4x9.7x4.5)
	Weight (kg)	0.2	0.5	0.37	0.7	1.5	0.4	1.4	1.5	1.5	1.7	3.5	3.3	

This table gives an overview of technical data and functionality for the CIMREX series operator terminals. All operator terminals are of the same high-quality design but vary in size and performance, from small text based operator terminals to large graphic operator terminals. Just choose the operator terminal from the CIMREX series that best suits your needs!

One programming tool

All terminals, as well as the C-Key16, are programmed with the powerful and user-friendly programming tool, CIMREX PROG.

Increase the functionality

Expansion card

With one or two expansion card slots, the operator terminals CIMREX 30 and CIMREX 60 through CIMREX 91 offer the opportunity to increase functionality with the following cards:



IFC MC memory card increases terminal memory with a PCMCIA flash memory card of 4 or 8 MB. The card can be used either for increasing project memory in the terminal, or for back-up copies of trends, recipes, etc.

IFC PI parallel printer interface for connecting printers with parallel interface for black and white printouts of graphic blocks, reports, alarm lists, etc.

IFC ETTP /ETCX Ethernet card for connecting terminals to an Ethernet via TCP/IP, twisted pair or coaxial cables.

IFC PBDF PROFIBUS DP for connecting the terminals as slave nodes in a network with the PROFIBUS DP fieldbus.

CANopen adapter

The CANopen adapter and driver enable connection of the CIMREX operator terminals to a CANopen network. With the CANopen adapter and driver, the operator terminal can serve as master or slave node in a CANopen network.

1) In Transparent mode, the controller can be accessed simultaneously by the terminal and an additional unit, such as a PC (dependent on driver).
 2) Two interfaces can be used simultaneously
 3) Indoor use only
 4) Class I Div 2, Groups A, B, C, D and T4