

EXTER™ - INTELLIGENT DESIGN



Exceeding your expectations

With EXTER, you get an operator terminal that is ready to impress you. Its high-performance Intel Xscale® processor, robust construction and multiple communication ports make it a futureproof choice for your machines and processes. There are eleven models to choose from – seven with touchscreen display and four with keypad control. The award-winning, slim design and the powerful performance make EXTER an operator terminal beyond the ordinary.

FROM PERSON TO PROCESS.

Beijer
ELECTRONICS

EXTER series overview – Touchscreen terminals



Hardware specifications

Display type	Graphic 64K color TFT/ Graphic 16 greyscales	Graphic 64K color STN/ Graphic16 greyscales	Graphic 64K color TFT-LCD, resistive touch		
Display backlight	LED with dimming		CCFL with dimming		
Function keys	-				
LEDs	-				
Communication ports	Ethernet 10/100 Mbit/sec RJ45 connector USB Host RS485/RS422 25-pin D-sub contact (RS485 available through RS422 with software setting) RS232 9-pin D-sub contact		Ethernet 10/100 Mbit/sec RJ45 connector USB Host / USB Device RS485/RS422 25-pin D-sub contact (RS485 available through RS422 with software setting) RS232 9-pin D-sub contact		
Processor	312 MHz RISC CPU (Intel Xscale)		416 MHz RISC CPU (Intel Xscale)		
Memory, flash	32 MB (Intel StrataFlash). Application memory: 12 MB (including fonts)				
Memory, RAM	64 MB				
Memory, expansion	-		CompactFlash slot available for adding optional cards for expansion of memory, data back-up, data storage and transfer of data and projects		
Buzzer	Yes				
Real-time clock	Yes				
Supply voltage	+24 V DC (20 - 30 V)				
Power consumption	Max 0.35 A	Max 0.45 A	Max 0.9 A	Max 1.0 A	Max 1.7 A
Ambient temperature	0 - 50 °C				
Relative humidity	5 - 85 % non condensing				
Frame and casing material	Powder-coated aluminum				
Dimensions (mm)	155.8 x 119 x 6	201 x 152 x 6	219 x 154 x 6	302 x 228 x 6	398 x 304 x 6
Cut-out dimensions (mm)	139 x 105	180 x 130	189 x 138	265 x 206	356 x 279
Mounting depth (mm)	57	57	55	58	60

Approvals and enclosure classes

EMC directive 89/336/EEC article 4	EN61000-6-2 immunity / EN61000-6-4 emission	
UL, cUL	UL 1604 Class I, Div 2 / UL 508 / UL 50 (when product or packing is marked)	
DNV	In progress	Yes
Front protection class	IP66	
Back cover protection class	IP20	

Functionality specification

Network abilities	E-mails (SMTP Auth. Client) / Web server / Remote operation via Internet / Access to controller system via Internet / Transfer of files (FTP server)
Dual Drivers with data exchange	Yes
Passthrough/Transparent Mode	Yes (dependent on driver)
No Protocol Mode	Yes
Multiple Languages	Yes, with up to 10 languages in one project
Standard Windows fonts (Unicode)	Yes
Data Logger	Yes
Internal Variables	Yes
Historical Trends	Yes
Recipe Management	Yes
Alarm Management	Yes, with up to 16 groups
Time Channels	Yes
I/O Poll Groups	Yes
Security Passwords	Yes, up to 8 levels
Message Libraries	Yes
Macros	Yes
Dynamic Objects	Yes
Report Printouts	Yes
Easy Configuration with Information Designer	Yes

The EXTER series complies with global industry standards as well as the environmental RoHS directive.



EXTER series overview – Keypad terminals



Hardware specifications				
Display type	Graphic Black/White	Graphic 64K color STN	Graphic 64K color TFT-LCD, resistive touch	
Display backlight	LED with dimming		CCFL with dimming	
Function keys	8 (with integrated key and text strip)	16 (8 with integrated LED and text strip)	16 (8 with integrated LED and text strip)	22 (10 with integrated LED and text strip)
LEDs	16 (8 with integrated LED and text strip)		16 (8 integrated with key and text strip)	20 (10 integrated with key and text strip)
Communication ports	Ethernet 10/100 Mbit/sec RJ45 connector USB Host RS485/RS422 25-pin D-sub contact (RS485 available through RS422 with software setting) RS232 9-pin D-sub contact		Ethernet 10/100 Mbit/sec RJ45 connector USB Host / USB Device RS485/RS422 25-pin D-sub contact (RS485 available through RS422 with software setting) RS232 9-pin D-sub contact	
Processor	312 MHz RISC CPU (Intel Xscale)		416 MHz RISC CPU (Intel Xscale)	
Memory, flash	32 MB (Intel StrataFlash). Application memory: 12 MB (including fonts)			
Memory, RAM	64 MB			
Memory, expansion	-		CompactFlash slot available for adding optional cards for expansion of memory, data back-up, data storage and transfer of data and projects	
Buzzer	Yes			
Real-time clock	Yes			
Supply voltage	+24 V DC (20 - 30 V)			
Power consumption	Max 0.35 A	Max 0.5 A	Max 0.9 A	Max 1.0 A
Ambient temperature	0 - 50 °C			
Relative humidity	5 - 85 % non condensing			
Frame and casing material	Powder-coated aluminum			
Dimensions (mm)	202 x 187 x 6	275 x 168 x 6	285 x 177 x 6	382 x 252 x 6
Cut-out dimensions (mm)	166 x 149	240 x 130	246 x 139	343 x 208
Mounting depth (mm)	57	57	56	58

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DNV	In progress / Yes
Front protection class	IP66
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Functionality specifications	
Network abilities	E-mails (SMTP Auth. Client) / Web server / Remote operation via Internet / Access to controller system via Internet / Transfer of files (FTP server)
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No Protocol Mode	Yes
Multiple Languages	Yes, with up to 10 languages in one project
Standard Windos fonts (Unicode)	Yes
Data Logger	Yes
Internal Variables	Yes
Historical Trends	Yes
Recipe Management	Yes
Alarm Management	Yes, with up to 16 groups
Time Channels	Yes
I/O Poll Groups	Yes
Security Passwords	Yes, up to 8 levels
Message Libraries	Yes
Macros	Yes
Dynamic Objects	Yes
Report Printouts	Yes
Easy Configuration with Information Designer	Yes

About Beijer Electronics

Beijer Electronics HMI Products has over 20 years of experience connecting people with the processes they control. Our HMI solutions are built on extensive automation knowledge, yet they handle industrial applications with everyday ease. Used with simple intuition, they set machines, information and ideas in motion.

HMI Products is part of the Beijer Electronics group, which is listed on the Stockholm Stock Exchange and based in Malmö, Sweden. The group has subsidiaries in Norway, Finland, Germany, Taiwan and the United States, as well as close relationships with OEMs, brand-label partners and distribution partners worldwide. For the representative nearest you, visit www.beijerelectronics.com

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