iX TxC series
Demanding applications

The iX TxC series takes HMI to the industrial PC level, delivering high performance for larger demanding applications and a wide range of connectivity options. The iX TxC series offers CE, UL508 and DNV certifications. Display sizes 12, 15 and 21 inches. The 21-inch model supports full HD.

Smarter iX HMI software

The iX HMI software is another reason to love our hardware. It empowers you with unique tools to communicate by combining top-class vector graphics and smarter functions, providing intuitive operation on the spot. Not to mention the almost limitless connectivity to your other equipment through the extensive list of drivers.

- iX T21C: 21.5" TFT-LCD touch screen, 1920 × 1080 (16:9)

- iX T15C: 15.4" TFT-LCD touch screen, 1280 × 800 (16:10)

- iX T12C: 12.1" TFT-LCD touch screen, 1280 × 800 (16:10)

- Main memory 2 GB - 4 GB DDR3 (with ECC support)

- Application memory 64 GB 2.5" SSD

- Operating temperature 0° to +50° C

- CE, UL 508 and DNV certifications

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	iX T21C (C15 / C18)	iX T15C (C9 / C12)	iX T12C (C3 / C6)
General Description			
Article number	100-0048 / 100-0051	100-0042 / 100-0045	100-0036 / 100-0039
HMI development software	iX Developer	iX Developer	iX Developer
System Infomation			
RAM	2 GB / 4 GB	2 GB / 4 GB	2 GB / 4 GB
CPU	Intel® CELERON® B810QE (2 × 1.6G Hz) / Intel® Core® i7-2715E (4 × 2.1 GHz)	Intel® CELERON® B810QE (2 × 1.6G Hz) / Intel® Core® i7-2715E (4 × 2.1 GHz)	Intel® CELERON® B810QE (2 × 1.6G Hz) / Intel® Core® i7-2715E (4 × 2.1 GHz)
Operating System	Win7ultim	Win7ultim	Win7ultim
Application storage	SSD 2.5": 64 GB	SSD 2.5": 64GB	SSD 2.5": 64 GB
Display			
Type	TFT-LCD	TFT-LCD	TFT-LCD
Size	21" 1920 × 1080 pixels	15" 1280 × 800 pixels	12" 1280 × 800 pixels
Backlight	LED backlight	LED backlight	LED backlight
Backlight lifetime	50,000 hrs	50,000 hrs	50,000 hrs
Brightness	250 cd/m^2	450 cd/m^2	400 cd/m^2
Interaction			
External control	USB	USB	USB
Front LED	Multi-color software programmable	Multi-color software programmable	Multi-color software programmable
Touch screen type	Resistive touch	Resistive touch	Resistive touch
Power			
Power consumption at rated voltage	125 W	114W / 120 W	114W / 120 W
Voltage	+24 V DC (18-32 V DC)	+24 V DC (18-32 V DC)	+24 V DC (18–32 V DC)
Fuse	Internal DC fuse, 10A slow	Internal DC fuse, 10 A slow	Internal DC fuse, 10 A slow
Mechanical			
Size W×H×D	556 × 347 × 87 mm	410 × 286 × 83 mm	340 × 242 × 79 mm
Cut-out dimensions W×H	539 × 331 mm	394 × 270 mm	324 × 226 mm
Weight	8.1 kg	5.4 kg	4.2 kg
Housing material	Powder-coated aluminum	Powder-coated aluminum	Powder-coated aluminum
Serial Communication			
Com 1	RS232 (RTS/CTS)	RS232 (RTS/CTS)	RS232 (RTS/CTS)
Com 2	RS485	RS485	RS485
Com 3	RS232	RS232	RS232
Com 4	RS485	RS485	RS485
Ethernet			
Ethernet 1	1 × 10/100/1000 Mbit/s (shielded RJ45)	1 × 10/100/1000 Mbit/s (shielded RJ45)	1 × 10/100/1000 Mbit/s (shielded RJ45)
Ethernet 2	1 × 10/100/1000 Mbit/s (shielded RJ45)	1 × 10/100/1000 Mbit/s (shielded RJ45)	1 × 10/100/1000 Mbit/s (shielded RJ45)
Expansion			
USB	4 × USB Host 2.0, max output current 500 mA	4 × USB Host 2.0, max. output current 500 mA	4 × USB Host 2.0, max. output current 500 mA
Memory expansion	N/A	N/A	N/A
iX Field buss expansion	1 × Extension module slot for fieldbus (optional)	1 × Extension module slot for fieldbus (optional)	1 × Extension module slot for fieldbus (optional)
Certifications			
UL	UL508	UL508	UL508
DNV	A-13686	A-13686	A-13686
CE	Noise tested according to EN61000-6-4 emission and EN61000-6-2 immunity.	Noise tested according to EN61000-6-4 emission and EN61000-6-2 immunity	Noise tested according to EN61000-6-4 emission and EN61000-6-2 immunity
Environmental			
Sealing - back panel	IP20	IP20	IP20
Humidity	5% - 85% non-condensed	5% - 85% non-condensed	5% - 85% non-condensed
Operating temperature	0° to +50° C	0° to +50° C	0° to +50° C
Storage temperature	-20° to +70° C	-20° to +70° C	-20° to +70° C
Sealing - front panel	IP65	IP65	IP65

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