

iX T7F-2

## Basic industrial operator panel

**The iX T7F-2 is** a 7-inch industrial operator panel with highresolution touch-screen and modern design. This model combines IP65 plastic housing with the full version of the iX HMI software, making it a cost-effective yet advanced HMI. The panel offers Ethernet, serial and USB ports as standard.

## A world of hardware choices

The new panel adds strength to Beijer Electronics' total HMI offer including industrial panels, specialized panels designed for rugged and marine environments and even panels with integrated CODESYS soft control and soft motion.

## Smarter iX HMI software

The iX HMI software provides smart tools to communicate efficiently on all hardware. It combines top-class vector graphics and easy-to-use functions that



provide intuitive and reliable operation. And it gives almost limitless connectivity through the extensive list of drivers.

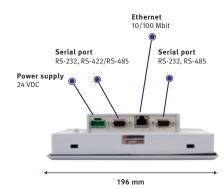
- •7", 800 × 480 pixel (16:9), TFT-LCD touch screen
- Application storage 200 MB
- 1 × Ethernet, 4 × serial, 1 × USB as standard
- Operating temperature -10 to +50 °C
- CE, FCC and KCC certifications





196 mm





General Description63005201Article numberK Developer 210 SP1 + TsF-2 AddOnSystem Info28 MBRAM128 MBCPUARM 9 A00MHzApplication storage200 MBDisplay7TrypeTTI LCD, 800 + 480 pixels, 64K colorsSize7* Inch.BacklightEDBacklight filletime20,000 hrsBrightness400 cd/m²Interaction2External controlN/AFrom LD1 - blue/red software programmableTouch screen type6.0 WVoltage- 424 VDCFuseInteractionSize96 - 146 - \$2.2 mmPower consumption at rated voltage0.6 WVoltage- 244 VDCFuseInternal DC fuse, 2.0 AT, 5 + 20mmMechanical9Size96 - 146 - \$2.2 mmWeight0.7 kgHousing matchialResizueGom 1RS222/ASSCom 2RS422/ASSCom 3RS222Com 4RS425Ethernet 11 - 10/100 Base-T (shielded R) 45)Ethernet 2N/AUL, DW, GL, LR, RS, BVN/ACef LG Kondu KKKCGKCCKCC		iX T7F-2
Article number630095201HMI development softwareKX Development softwareSystem InfoRAM128 MBCPUARM9 400MHzApplication storage200 MBDisplayTT LCD, 800 + 480 pixels, 64K colorsSize7" Inch.Backlight Hiteline2000 brsBacklight Hiteline2000 brsBacklight Hiteline2000 brsBacklight Hiteline2000 brsBrightness400 cd/m²InteractionNAFront LED1 + blue/red software programmableTouch screent type6.0 WVoltage6.0 WVoltage196 + 146 + 52.2 mmWeight0.7 kgHousing materialPasterGond 1R5232Com 1R5232Com 2Sacklight HistEthernet 11 - 10/100 Base-T (shielded RJ 45)Ethernet 11 - 10/100 Base-T (shielded RJ 45)Ethernet 11.0 NAKriald buse expansionN/AKriald buse expansionN/A <t< th=""><th>General Description</th><th></th></t<>	General Description	
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CPUARM 9400MHzApplication storage200 MBDisplayTTI LCD, 800 +480 pixels, 64K colorsTypeTTI LCD, 800 +480 pixels, 64K colorsSize7' inch.Backlight lifetime20,000 hrsBarklight lifetime20,000 hrsBrightness400 cd/m²Interaction1External controlN/AFront LED1 > blue/red software programmableTouch screen typeResistive typePower6.0 WVoltage+24 VDCFuse196 × 146 × 52.2 mmWeight0.7 kgHousing materialPlasticSerial Communication1Com 1R5232Com 3R5232Com 4Ethernet 1Ethernet 11.10/100 Base-T (shielded RJ 45)Ethernet 2N/ALifernet 11.10/100 Base-T (shielded RJ 45)KieldausN/ACertificationsN/ACertificationsN/ACom 4Ethernet 1Ethernet 11.10/100 Base-T (shielded RJ 45)Ethernet 11.10/100 Base-T (shielded RJ 45)Ethernet 2N/AKieldaus expansionN/AKieldaus expansionN/AKieldaus expansionN/ACertificationsN/AUL, DW, GL, IR, RS, BWN/AKieldaus expansionN/ACertificationsN/AKieldaus expansionN/ACertificationsN/ACertificationsN/ALiterent 1	System Info	
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External controlN/AFront LED1 × blue/red software programmableTouch screen typeResistive typePowerPower consumption at rated voltagePower consumption at rated voltage6.0 WVoltage+24 VDCFuseInternal DC fuse, 2.0 AT, 5 × 20mmMechanical96 × 146 × 52.2 mmSize196 × 146 × 52.2 mmWeight0.7 kgHousing materialPlasticSerial CommunicationRS232Com 1RS232Com 2RS422/485Com 3RS232Com 4RS485Ethernet 11 × 10/100 Base-T (shielded RJ 45)Ethernet 2N/AExpansionN/AUSB1 × USB 2.0, max. 400 mAMemory expansionN/AIX Field buss expansionN/AUL, DNV, GL, ER, RS, BVN/ACENoise tested according to EMS5022; 2010 Class AFCCFCC part 15	Brightness	400 cd/m <sup>2</sup>
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Power consumption at rated voltage6.0 WVoltage+24 VDCFuseInternal DC fuse, 2.0 AT, 5 × 20mmMechanicalSize196 × 146 × 52.2 mmWeight0.7 kgHousing materialPlasticSerial CommunicationCom 1RS232Com 2RS422/485Com 3RS232Com 4RS485EthernetEthernet 11 × 10/100 Base-T (shielded RJ 45)Ethernet 2N/AExpansionN/AVSB1 × USB 2.0, max. 400 mAMemory expansionN/ACertificationsUL, DNY, GL, LR, RS, BVN/ACEKoste sted according to EN55022: 2010 Class AFCCFCC part 15	Touch screen type	Resistive type
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MechanicalSize196×146×52.2 mmWeight0.7 kgHousing materialPlasticSerial CommunicationCom 1RS232Com 2RS422/485Com 3RS232Com 4RS485EthernetEthernet 11×10/100 Base-T (shielded RJ 45)Ethernet 2N/AUSB1×USB 2.0, max. 400 mAMemory expansionN/AIX Field buss expansionN/AUL, DNV, GL, LR, RS, BVN/AFCCFCC part 15	Voltage	+24 VDC
Size196 × 146 × 52.2 mmWeight0.7 kgHousing materialPlasticSerial CommunicationCom 1RS232Com 2RS422/485Com 3RS232Com 4RS485EthernetEthernet 11 × 10/100 Base-T (shielded RJ 45)Ethernet 2N/AExpansionUSB1 × USB 2.0, max. 400 mAMemory expansionN/AIX Field buss expansionN/AUL, DNV, GL, LR, RS, BVN/AFCCFCC part 15	Fuse	Internal DC fuse, 2.0 AT, 5 × 20mm
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Serial CommunicationRS232Com 1RS232Com 2RS422/485Com 3RS232Com 4RS485EthernetIt 10/100 Base-T (shielded RJ 45)Ethernet 11 × 10/100 Base-T (shielded RJ 45)Ethernet 2N/AExpansionI × USB 2.0, max. 400 mAWemory expansionN/AIX Field buss expansionN/AUL, DNV, GL, LR, RS, BVN/ACENoise tested according to EN55022: 2010 Class AFCCFCC part 15	Weight	0.7 kg
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Com 4RS485EthernetI×10/100 Base-T (shielded RJ 45)Ethernet 11×10/100 Base-T (shielded RJ 45)Ethernet 2N/AExpansionIUSB1×USB 2.0, max. 400 mAMemory expansionN/AIX Field buss expansionN/ACertificationsIUL, DNV, GL, LR, RS, BVN/ACENoise tested according to EN55022: 2010 Class AFCCFCC part 15	Com 2	RS422/485
EthernetI × 10/100 Base-T (shielded RJ 45)Ethernet 11 × 10/100 Base-T (shielded RJ 45)Ethernet 2N/AExpansionN/AUSB1 × USB 2.0, max. 400 mAMemory expansionN/AIX Field buss expansionN/ACertificationsN/AUL, DNV, GL, LR, RS, BVN/ACENoise tested according to EN55022: 2010 Class AFCCFCC part 15	Com 3	R\$232
Ethernet 11 × 10/100 Base-T (shielded RJ 45)Ethernet 2N/AExpansionN/AUSB1 × USB 2.0, max. 400 mAMemory expansionN/AiX Field buss expansionN/ACertificationsUL, DNV, GL, LR, RS, BVUL, DNV, GL, LR, RS, BVN/ACENoise tested according to EN55022: 2010 Class AFCCFCC part 15	Com 4	RS485
Ethernet 2 N/A   Expansion Ix USB 2.0, max. 400 mA   USB 1x USB 2.0, max. 400 mA   Memory expansion N/A   iX Field buss expansion N/A   Certifications UL, DNV, GL, LR, RS, BV   UL, DNV, GL, LR, RS, BV N/A   CE Noise tested according to EN55022: 2010 Class A   FCC FCC part 15	Ethernet	
ExpansionUSB1×USB 2.0, max. 400 mAMemory expansionN/AiX Field buss expansionN/ACertificationsUL, DNV, GL, LR, RS, BVUL, DNV, GL, LR, RS, BVN/ACENoise tested according to EN55022: 2010 Class AFCCFCC part 15	Ethernet 1	1×10/100 Base-T (shielded RJ 45)
USB   1 × USB 2.0, max. 400 mA     Memory expansion   N/A     iX Field buss expansion   N/A     Certifications   UL, DNV, GL, LR, RS, BV     UL, DNV, GL, LR, RS, BV   N/A     CE   Noise tested according to EN55022: 2010 Class A     FCC   FCC part 15	Ethernet 2	N/A
Memory expansion N/A   iX Field buss expansion N/A   Certifications N/A   UL, DNV, GL, LR, RS, BV N/A   CE Noise tested according to EN55022: 2010 Class A   FCC FCC part 15	Expansion	
IX Field buss expansion N/A   Certifications N/A   UL, DNV, GL, LR, RS, BV N/A   CE Noise tested according to EN55022: 2010 Class A   FCC FCC part 15	USB	1×USB 2.0, max. 400 mA
Certifications N/A   UL, DNV, GL, LR, RS, BV N/A   CE Noise tested according to EN55022: 2010 Class A   FCC FCC part 15	Memory expansion	N/A
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CE Noise tested according to EN55022: 2010 Class A   FCC FCC part 15	Certifications	
FCC FCC part 15	UL, DNV, GL, LR, RS, BV	N/A
	CE	Noise tested according to EN55022: 2010 Class A
КСС КСС	FCC	FCC part 15
	КСС	КСС
Environmental	Environmental	
Sealing - back panel IP20	Sealing - back panel	IP20
Humidity <85 % non-condensed	Humidity	<85 % non-condensed
Storage temperature -20 to + 60 °C	Storage temperature	-20 to + 60 °C
Operating temperature -10 to + 50 °C	Operating temperature	-10 to + 50 °C
Sealing - front panel IP65	Sealing - front panel	IP65

The information at hand is provided as available at the time of printing, and Beijer Electronics reserves the right to change any information without updating this publication. Beijer Electronics does not assume any responsibility for any errors or omissions in this publication.

