

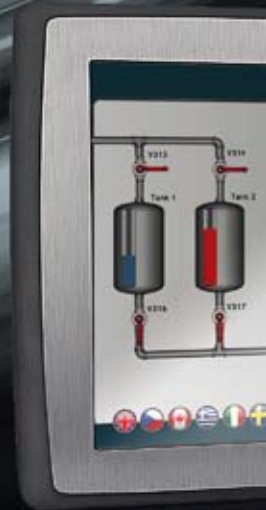
Designed for Food and Pharma



A range of tough, stainless steel HMI solutions, tailor-made for the needs of the hygiene-conscious Food and Pharmaceuticals industries. Combining ergonomic design, rugged operator panels, industrial PCs and the choice of easy-to-use, innovative iX software, our offer provides solutions for all your needs.

Beijer
ELECTRONICS
easy when you know how

Solutions for your creativeness



← Stainless steel construction offers protection and hygiene with style.

Our solutions fit your tough requirements.

This range of products provides everything from valuable HMI functionality and creative possibilities for customization to compliance with the rugged demands of the most stringent hygiene and safety regulations. This range of robust yet elegantly designed solutions affords easy integration and state-of-the-art process control and visualization.

Streamlined stainless steel construction:

- ▶ Protection and hygiene compliance to satisfy stringent health & safety regulations
- ▶ Resistance to acid-based cleaning agents
- ▶ No visible labels or fissures where dust, bacteria or pathogens can hide
- ▶ IP65/66 classified fronts for tough environments

Aesthetic usability enhances applications, encompassing:

- ▶ Award-winning design
- ▶ Sleek, stainless steel exterior that complements the look of your operations
- ▶ Innovative iX software to create applications that display that top-of-the-line look and feel

Industry related functionality:

- ▶ Valuable process tracking: The Audit Trail function identifies user, time and place in a process facilitating recalls or rationalization of your production processes
- ▶ Strong password and security features: Define authorized user or restrict access for password-protected applications
- ▶ Program alarm-management and define recipe parameters - enjoy time-saving online application testing without interrupting your valuable application operations

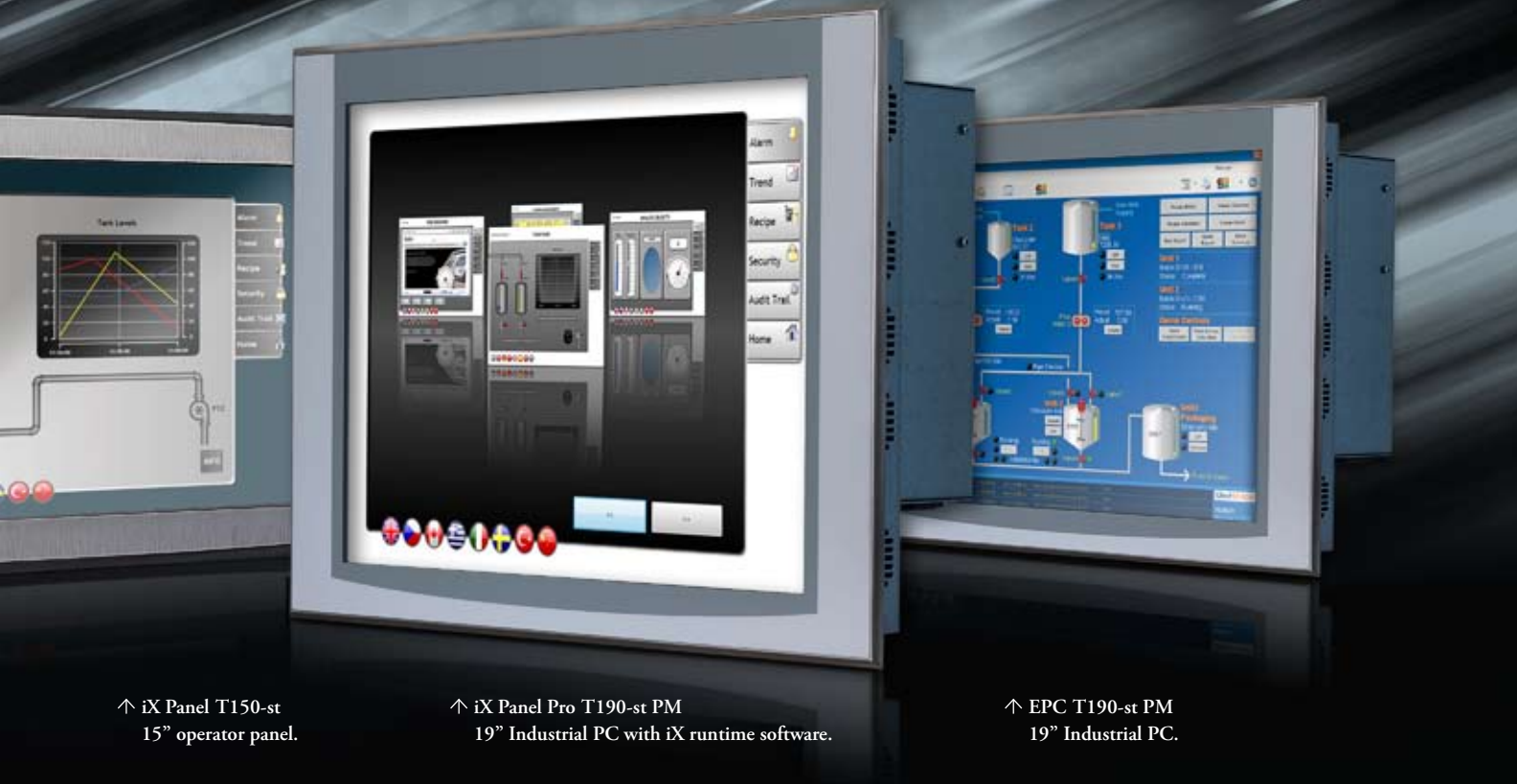
Automated collection and storage of data:

- ▶ Our operator panels facilitate the continuous collection of process data and allow integration of production data in overlying systems such as ERP, MES etc.

Microsoft .NET framework in iX software offers infinite creative possibilities for customization and the freedom to create your own objects. This component-based platform is even open for third party objects, is easy-to-update and lets you select the components you need and use them in the application of your choice.



→ Award-winning design and cutting-edge HMI functionality.



↑ iX Panel T150-st
15" operator panel.

↑ iX Panel Pro T190-st PM
19" Industrial PC with iX runtime software.

↑ EPC T190-st PM
19" Industrial PC.

All your needs supplied in one place!

Beijer Electronics offers the opportunity to create the perfect platform for optimum process control and visualization. The products are easy-to-integrate and encompass a selection of robust hardware/software combinations, a software-only option or rugged hardware that you can utilize with third party software of your choice. You get exactly what you need, exactly the way you need it.

iX Panel T150-st An operator panel with compact, award-winning design and cutting-edge HMI functionality, the iX Panel T150-st is your choice for smaller and medium sized applications. The high-performance Intel Xscale processor affords future-proof reliability for your machines or processes. The award-winning design helps to put the user in focus and sharpens your competitive edge while the stainless steel construction offers compliance with hygiene demands and health & safety regulations to provide the perfect choice for your industrial environment.

iX Panel Pro T190-st PM The iX Panel Pro T190-st PM industrial PC affords a rugged stainless steel construction with iX software preinstalled for powerful and flexible process control under the most stringent of health & safety regulations in the toughest of environments. Fanless CPU technology cuts costs on wear-and-tear, Intel Celeron Mobile 1.3 GHz processor provides an

extended life cycle and numerous communication ports and modular construction make applications easy to update and upgrade. iX is a modern and open tool using Microsoft's latest technologies for a total, ready-made and cost-effective solution supplied complete with drivers for an extensive range of automation equipment.

EPC T190-st PM A robust and intuitive industrial PC with stainless steel construction, the EPC T190-st PM is the perfect choice for third part software applications, e.g. SCADA software. You can install the software of your choice for exactly the level of HMI you need. Tough, shock-absorbing hard disk and fanless CPU make this a cost-effective investment for demanding industrial environments. Flexible to use and easy to upgrade, the EPC T190-st PM has an Intel Celeron Mobile 1.3 GHz processor for an extended life cycle to this highly reliable yet low-maintenance EPC.

iX software iX innovative development tool and runtime software offers future-proof control with the right look and feel at all levels of design and operation. An entirely new concept, this modern and open tool utilizes Microsoft's latest technologies such as .Net and WPF, SQL data handling, OPC based communication and fully integrated script functionality for a total, ready-made and cost effective solution that lets you run your HMI applications on the PC of your choice.



Technical specifications	iX Panel T150-st	iX Panel Pro T190-st PM	EPC T190-st PM
Display size	15", 1024 x 768 px	19", 1280 x 1024 px	19", 1280 x 1024 px
Display type	TFT, 64K color	TFT, 16.7M color	TFT, 16.7M color
Frame and casing material	Stainless steel	Stainless steel front / rear chassis galvanized steel	Stainless steel front / rear chassis galvanized steel
Display backlight	CCFL with dimming	CCFL	CCFL
Touch screen	Yes	Yes	Yes
Fieldbusses (expansion modules)	Profibus, MPI and CAN	2 x PCI, 220 mm length: Profibus, MPI and CAN	2 x PCI, 220 mm length: Profibus, MPI and CAN
Graphic		VGA out	VGA out
Ethernet	10/100 Mbit/s shielded RJ45	2 x 10/100 Mbit/s shielded RJ45	2 x 10/100 Mbit/s shielded RJ45
USB host	1 USB 1.1	4 x USB 2.0	4 x USB 2.0
USB device	USB 1.1	-	-
RS485/RS422	1	1 configurable RS232/RS485	1 configurable RS232/RS485
RS232	Male with standard locking screws 4-40 UNC	2	2
Processor	416 MHz RISC CPU (Intel Xscale)	Low power mobile CPU Intel Celeron-M, 1.3 GHz, 512 KB cache, FSB 400	Low power mobile CPU Intel Celeron-M, 1.3 GHz, 512 KB cache, FSB 400
FLASH memory	32 MB (Intel StrataFlash)	HDD (>= 40GB) or CFC (2..32GB)	HDD (>= 40GB) or CFC (2..32GB)
FLASH memory for application (incl. fonts)	12 MB	HDD (>= 40GB) or CFC (2..32GB)	HDD (>= 40GB) or CFC (2..32GB)
Memory RAM	64 MB	1GB DDR-SDRAM, max. 2 GB	1GB DDR-SDRAM, max. 2 GB
FLASH memory expansion slot	Compact flash, type I and II	Compact flash, type I and II	Compact flash, type I and II
Buzzer	Yes	-	-
Real-time clock	Yes	Yes	Yes
Supply voltage	+24 V DC (20 - 30 V DC)	115-230 V AC +/- 15% or 24V DC +/- 15%	115-230 V AC +/- 15% or 24V DC +/- 15%
Operating temperature	0 to +50 °C	0 to +50 °C	0 to +50 °C
Storage temperature	-20 to +70 °C	-20 to +65 °C	-20 to +65 °C
Relative humidity	5 - 85 % non-condensed	<90 % non-condensed	<90 % non-condensed
Dimensions W x H x D (mm)	398 x 304 x 66	480 x 377 x 164	480 x 377 x 164
Cut-out dimensions W x H (mm)	356 x 279	454 x 351	454 x 351
Mounting depth (mm)	60.0	158 mm (258 mm including clearance)	158 mm (258 mm including clearance)
Weight (kg)	4.8	12	12
EMC directive	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
Front/Back cover protection class	IP66/IP20	IP65/IP20	IP65/IP20
Certifications	-	CE	CE
Runtime included	Yes	Yes	-



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, Singapore and China. For the representative nearest you, please visit our website.

HEAD OFFICE
 SWEDEN
Beijer Electronics Products AB
 Box 426
 201 24 Malmö, Sweden
 Telephone +46 40 35 86 00
 Fax +46 40 93 23 01
 info@beijerelectronics.com
 www.beijerelectronics.com

SUBSIDIARIES
 CHINA
 www.beijerelectronics.cn
 GERMANY
 www.lauer-hmi.com
 TAIWAN R.O.C.
 www.hitechsite.com
 USA
 www.beijerelectronics.us