eX700 Series

The Revolutionary IIoT Controller

EXOR

Key Features

- Created Within the X Platform
- Industry 4.0 Product Concept
- HW and FW Optimised for Extremely Fast Operation
- System and Project Rapid Boot-Up
- OS Linux RT
- JMobile - the software that powers the X Platform
- CODESYS V3 with Ethernet I/O Stacks
- Multitouch and Gesturing
- Brilliant 2,100,000 pixel Display
- Wide Angle Visibility
- Beautiful 16,000,000 Colors
- Resistant to Scratches, UV and Chemicals
- Total Glass Design
- Network Separation possibile via up to 3 Ethernet Networks with different IP addresses
- Plug in Modules for System Expansion
- IECEx*, ATEX*, DNV-GL*, cULus, cULus Haz. Loc.*, RCM*

eX700 Series

A beautiful product, created within the X Platform and hence with an unsurpassed ability to offer access and scalability into Industry 4.0. The tremendous technical flexibility is backed by a company with 45 years in the industry and still with a market price at previous models.

The eX700 Series represents a ground breaking product to come to market:

The Revolutionary IIoT Controller.

The product's concept permits a prudent investment into the implementation of IIoT and hence Industry 4.0 compatibility.
As such it provides a true all-in-one solution covering many functions such as:

• As a powerful **Browser** with industry standard Web engine powering state of the art Chromium browser

• As a **Gateway** with up to 3 Ethernet networks, OPC UA pub/sub* Server and Client, future TSN connectivity* and multiple protocols

• As a powerful **HMI** using JMobile inside with multi touch operation in a brilliant high resolution display

• As a **PLC** with the CODESYS V3 can function as Master through major protocols

*Road map for 2017

eX705 - Technical Data

System Resources	
Display - Colors	5" TFT 16:9 LED - 64K
Resolution	800x480, WVGA
Brightness	300 Cd/m² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Linux RT
Flash	4 GB
RAM	512 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)
USB port	1 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 2 serial ports using plug-in modules.
SD card	Yes
Expansion	1 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.6 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear)
Dimensions and Weights	
Faceplate LxH	147x107 mm (5.78x4.21")
Cutout AxB	136x96 mm (5.35x3.78")
Depth D	52+8 mm (2.40+0.31")
Weight	1.3 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
cULus	UL61010-1 / UL61010-2-201

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eX707 - Technical Data

System Resources	
Display - Colors	7" TFT 16:9 LED - 16M
Resolution	800x480, WVGA
Brightness	500 Cd/m² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 dual core 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.7 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear)
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D	47+8 mm (1.85+0.31")
Weight	1.5 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
cULus	UL61010-1 / UL61010-2-201

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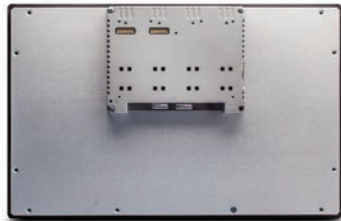sales@servo2go.com
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eX710 - Technical Data

System Resources	
Display - Colors	10.1" TFT 16:9 LED - 16M
Resolution	1280x800, WXGA
Brightness	500 Cd/m² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 dual core 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.0 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear)
Dimensions and Weights	
Faceplate LxH	282x197 mm (11.10x7.80")
Cutout AxB	271x186 mm (10.67x7.32")
Depth D	56+8 mm (2.20+0.33")
Weight	2.5 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
cULus	UL61010-1 / UL61010-2-201

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eX715 - Technical Data

System Resources	
Display - Colors	15,6" TFT LED - 16M
Resolution	1366x768, HD
Brightness	400 Cd/m² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 quad core 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.2 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear)
Dimensions and Weights	
Faceplate LxH	422x267 mm (16.6x10.5")
Cutout AxB	411x256 mm (16.18x10")
Depth D	56+8 mm (2.20+0.33")
Weight	4.1 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
cULus	UL61010-1 / UL61010-2-201

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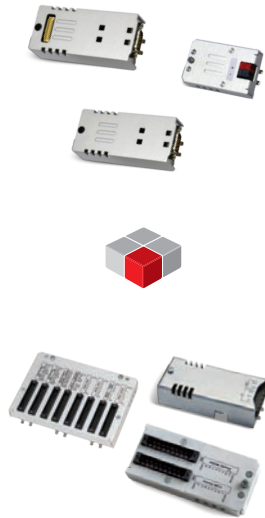www.servo2go.com

eX721 - Technical Data

System Resources	
Display - Colors	21,5" TFT LED - 16M
Resolution	1920x1080, full HD
Brightness	300 Cd/m² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 quad core 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.7 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear)
Dimensions and Weights	
Faceplate LxH	552x347 mm (21,7x13,66")
Cutout AxB	541x336 mm
Depth D	56+8.5 mm
Weight	6.1 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
cULus	UL61010-1 / UL61010-2-201

Accessories

PLCM01	Plug-in module CAN
PLCM02	Plug-in module for KNX/EIB (TP interface)
PLCM03	Plug-in module RS-232
PLCM04	Plug-in module RS-422/485 with optical insulation
PLCM06	Plug-in module Profibus DP slave 12 MB
PLCM07	Secure Cloud Connector
CODESYS V3 SoftPLC	CODESYS V3 activation license
PLIO03	I/O Module with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 AI (4 diff or 8 single or 4 PT100 or 4 TC), 4 AO, 1 PT100 Cold Junct
PLIO04	I/O Module with 10 DI 24VDC, 10 DO SSR 1.4 A, 4 Programmable AI voltage/PT100/TC, 4 AI voltage, 1 PT100
PLIO06	Compact I/O module. 8 DI, 6 DO, 1 Relay Output
PLIO07	Compact I/O module. 2 Relay Outputs