EXOR
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www.exorint.net

Product Catalogue
Exor International
43

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Exor History

Exor International, an Italian company that for nearly half a century has designed and produced Exor HMI solutions for its partners and thirty distributors who provide and support the products worldwide.

While born into the world of industrial automation and known as the UniOP brand, Exor International has created innovative solutions for the building, industrial automation and marine industries.

The products sold under the UniOP brand are specially designed to respond to the needs of these markets, where flexibility and reliability are a priority.

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A New Software Generation!

JMobile®

JMobile is a modern & innovative software solution for the design of HMI applications in a simple and intuitive way. A powerful and versatile tool set allowing for the rapid design of tailored applications crafted for a better, more modern user experience. Designed for simplicity, flexibility, and efficiency, JMobile and its advanced graphics engine is based on SVG technology with full object-oriented design properties. These Modern and flexible widgets allow for tailoring a truly better, more intuitive "User Experience" Better "Useability" for operators with modern widgets and navigation, better "Visibility" for management with remote tools and reporting, and better Serviceability both locally and from afar.

JMobile client-server architecture is based on current web technologies providing users with advanced control and remote supervision a, from any browser, any device (smartphone, tablet, or computer).

In addition, the ability to capture, store and share data in higher-level structures make it an effective tool for integration across the entire enterprise.

A rich set of symbols, widgets and advanced functions (e-mail, RSS, PDF Reporting Scheduler, HTML5 Browser) allows JMobile deployment in a wide variety of applications and industries, from industrial to building and marine automation.

The Programming Environment

- Simple and intuitive interface
- Project tree organized design resources
- Toolbars for quick access
- Property Tree for advanced programming
- Powerful JavaScript engine for HMI & Tag functions
- Large "Ready to Use" macro library
- Advanced User & Password management
- Audit Trail traceability
- Multilanguage with import and export texts
- Event list
- Supports scheduler and event planning
- Recipes
- Alarms
- Realtime & Historical trending
- Over 10,000 tag database
- Tag cross Reference viewer
- Indexed addressing
- On-line and off-line simulation
- Optional IEC 61131-3 Soft PLC (CODESYS)
- XML Configuration
- SSL Security
- Remote monitor & control features

Advanced Vector Graphic

- SVG vector graphics
- Animation
- Dynamic widget properties connected to Tags
- Dynamic interaction between properties of different widgets
- Widget properties accessible via Javascript
- TrueType fonts
- Rich gallery of symbols and widgets
- Page Templates
- Interface Video Streaming

Tag Cross Reference Tool

Project Tree

Object View

Quick Access Toolbar

Snap to Grid Alignment tool

Widget Gallery

Property Editor

Communication and Gateway

- Support for all industrial communication protocols
- Supports up to 4 simultaneous protocols
- Gateway function between different protocols
- Support for internal temporary variables
- Integrated Web Server
- Integrated Web Browser
- E-Mail Alerts with live data and attachments
- Interface CGI
- Supports VNC technology for remote desktop

Your HMI Everywhere!

JM4web is the seamless connection between your HMI application and your ubiquitous mobile devices such as smart phones and tablets. Thanks to the HTML5 and Javascript technology embedded in JMobile, all that is needed to remotely monitor &control your Exor HMI is a web browser with HTML5 support. Firefox, Chrome, Safari and Internet Explorer will do the job. No "apps" needed when operating from mobile devices!

With JM4web you can have instant Web access to JMobile applications via the integrated Web server included in all JMobile runtime systems. JM4web allows for creating the exact user experience for the target mobile device.

Simply exporting pages from a 10", 12", or 15" HMI leads to a difficulty viewing & operating on a small mobile device such as a smartphone. JMobile Studio allows you to quickly and easily create the desired widget size and layout to maximize the user experience.

You can create JM4web pages optimized for viewing on smart phones, tablets or computers. The Web server will detect the resolution of the connected client device and serve the appropriate pages.

JM4web is the ideal complement to the powerful remote connectivity and visualization tools already available in JMobile, including the native Win32 Client and the VNC client/server access.

JMobile PC Runtime
Main Features

JMobile PC Runtime is the Windows version of our powerful programming software for graphic user interfaces. The developer can program within a single development environment (JMobile Studio) and choose to download to Exor HMIs or industrial PCs.

The feature set of JMobile PC Runtime is identical to those offered for Exor HMIs with the ability to utilize the computing power, flexibility, and expandability of a PC. Many serial and Ethernet communication protocols are available.

Value, functionality, and price make JMobile PC Runtime ideal for replacing generic SCADA with a cost effective solution.

JMobile Runtime is offered in a single version with 4000 tags for a single price, simplifying the costing decision.

System Requirements

Windows XP –SP2 or SP3, Windows Vista SP1 or SP2,
Windows 8.1, Windows 8, Windows 7, Windows 2003 Server
256 MB of disk space
Minimum of 512 MB RAM
Ethernet interface

The product is constantly changing so we invite you to review its features in the latest version available on the company website.

JMobile® Studio
the human machine interface

RUNTIME

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eTOP Series 600 - True Glass HMI
Main Features

- Projected Capacitive "True Glass" Touchscreen
- Display Size Range from 5" to 21.5" *
- Widescreen Display - All Models
- 5 Year Warranty
- High Resolution & Optical Performance
- Scratch & Harsh Chemical Resistant Surface
- Brilliant Display with LED Backlight Technology
- UV Resistant
- Data Bridge - Gateway Functionality
- Remote Monitor, Control, and Maintenance Functionality
- Ethernet, USB and Serial Ports; Integrated Siemens MPI support
- Fieldbus and Network Support
- SD Card for Extended Data Storage
- Coating on all Electronic Boards
- Scalable Performance - Optional PC Module *
- Highly Reliable, Industrial Grade Components
- Modular System Design
- Marine Certifications - DNV *
- UL Class I. Div. 2 Haz. Loc. *
- Extended Temperature Range (-20 °C +50 °C)
- Low Power Consumption
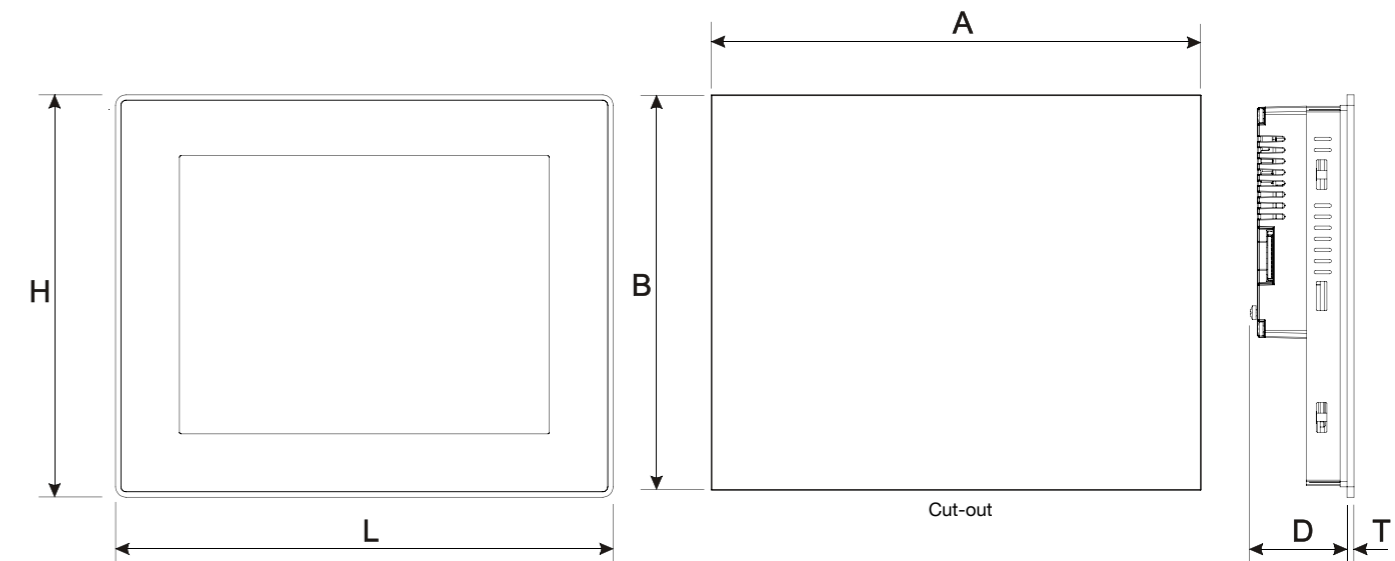- Wide Range Power Supply (10 to 32 Vdc)

SERIES

600

TRUE GLASS HMI

EXOR
INTERNATIONAL

	eTOP605	eTOP607M	eTOP610
Display	5" TFT	7" TFT	10.1" TFT
Resolution	800x480, WVGA	800x480, WVGA	1280x800, WXGA
Backlight	LED	LED	LED
Brightness	200 Cd/m² typ.	300 Cd/m² typ.	300 Cd/m² typ.
Dimming	Yes	Yes	Yes
Colors	64K	64K	64K
Touchscreen	True Glass Projected Capacitive	True Glass Projected Capacitive	True Glass Projected Capacitive
Portrait Mode	Yes	Yes	Yes
CPU	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz
User Memory	128 MB Flash	256 MB Flash	256 MB Flash
Serial	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable
Ethernet	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch
USB	1 Host interface (version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)
Vector graphics	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support
Object dynamics	Yes	Yes	Yes
TrueType fonts	Yes	Yes	Yes
Alarms	Yes	Yes	Yes
Historical Event List	Yes	Yes	Yes
Recipes	Yes	Yes	Yes
Password	Yes	Yes	Yes
Trends	Yes	Yes	Yes
Multilanguage	Yes	Yes	Yes
RTC	Yes, with battery	Yes, with battery	Yes, with battery
Battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery
Expansion Slot	1 Optional Plugin	2 Optional Plugin	2 Optional Plugin
Memory card	SD Card Slot	SD Card Slot	SD Card Slot
Power Supply	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)
Current Consumption	0.6A at 24Vdc (max.)	0.6A at 24Vdc (max.)	1.0A at 24Vdc (max.)
Operating Temperature	-20 to +50 °C	-20 to +50 °C	-20 to +50 °C
Storage Temperature	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
Operating and storage humidity	5 - 85%, RH non condensing	5 - 85%, RH non condensing	5 - 85%, RH non condensing
Weight	Approx. 1.0 Kg	Approx. 1.3 Kg	Approx. 1.7 Kg
Faceplate (LxH)	147x107 mm	187x147 mm	282x197 mm
Cutout (AxB)	136x96 mm	176x136 mm	271x186 mm
Depth (D+T)	56 + 8 mm	47 + 8 mm	56 + 8 mm
Protection Class (front)	IP66	IP66	IP66
Protection Class (rear)	IP20	IP20	IP20
Approvals	CE, DNV *, ATEX * / cULus Class I, Div. 2 *	CE, DNV *, ATEX * / cULus Class I, Div. 2 *	CE, DNV *, ATEX * / cULus Class I, Div. 2 *

PLCM01 PLCM01-CDS PLCM05-CDS	Plug-in module CAN Plug-in module CAN + CODESYS Plug-in module CODESYS
PLCM01-NE PLCM01-NEC	Plug-in module CAN - No Expansion Plug-in module CAN - No Expansion + CODESYS
PLCM02 PLCM02-CDS	Plug-in module for KNX/EIB (TP interface) Plug-in module for KNX/EIB (TP interface) + CODESYS
PLIO03	I/O Module with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 Programmable AI, 4 Programmable AO, 1 PT100
PLIO06	Compact I/O Module. 8 DI, 6 DO, 1 Relay Output
PLCM03 PLCM04	Plug-in module RS-232 Plug-in module RS-422/485 with optical insulation
PLCM06	Plug-in module Profibus DP slave 12 Mb

Cut-out

eTOP Series 500 - Solid as a Rock
Main Features

- 5 Year Warranty
- Innovative mechanical design and all-metal enclosure
- Available in different sizes from 4.3" to 15"
- High-performance touchscreen HMI's
- Brilliant displays with LED technology all in full color
- Gateway function, remote installation of application and remote assistance
- Ethernet, USB, serial ports and MPI integrated
- Optional plug-in modules for fieldbus systems and networks
- Support SD Card
- Coating on all Electronic Boards
- Optional IEC 61131-3 Soft PLC (CODESYS)
- Front available in three colors (White/Black/Silver)
- Special versions for special applications

Products have been designed as the ideal platform for JMobile applications

- Powerful and intuitive programming with JMobile Studio
- Support of a wide range of communication drivers
- Data display as numerical, text, bargraph, analog gauges and graphic image formats
- Data acquisition and trend presentation
- Recipe data handling
- Full support of multilanguage applications
- Powerful script language
- Alarm handling
- User and group access control
- Monitoring and remote control
- Report printing to USB printer
- Optional IEC 61131-3 Soft PLC (CODESYS)
- Rich set of HMI features: dynamic objects, data acquisition, alarm handling, Multilanguage applications, recipes, tag editor and tag database, user and password, scripting ...
- Rich symbol library and project templates
- On-line and off-line Simulation for applications
- Advanced HMI objects: e-mail, RSS feeds, Scheduler, Rotating menu, Video input

SERIES 500
SOLID AS A ROCK

EXOR INTERNATIONAL

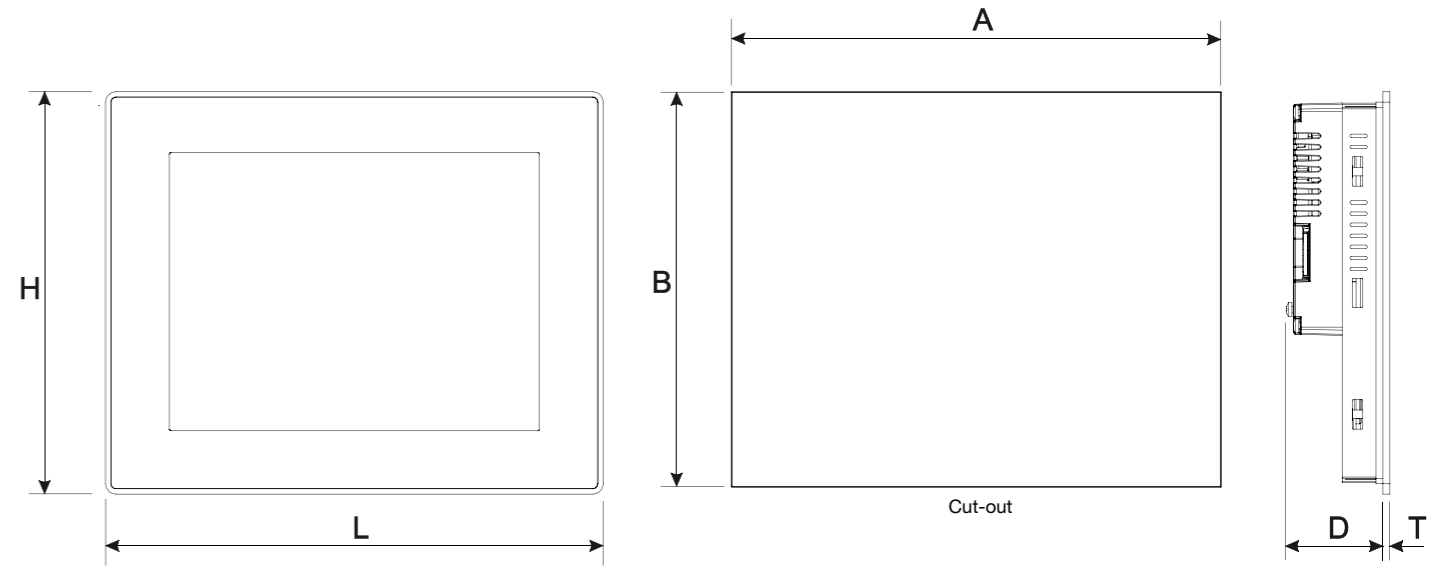|	eTOP504	eTOP506	eTOP507	eTOP507M	eTOP510	eTOP512	eTOP513	eTOP515
Display	4.3" TFT 16:9	5.7" TFT	7" TFT 16:9	7" TFT 16:9	10"4 TFT	12"1 TFT	13"3 TFT 16:9	15" TFT
Resolution	480x272, WQVGA	320x240, QVGA	800x480, WVGA	800x480, WVGA	800x600, SVGA	800x600, SVGA	1280x800, WXGA	1024x768, XGA
Backlight	LED	LED	LED	LED	LED	LED	LED	LED
Brightness	150 Cd/m² typ.	200 Cd/m² typ.	300 Cd/m² typ.	300 Cd/m² typ.	300 Cd/m² typ.	300 Cd/m² typ.	300 Cd/m² typ.	300 Cd/m² typ.
Dimming	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Colors	64K	64K	64K	64K	64K	64K	64K	64K
Touchscreen	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive
Portrait Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CPU	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz
User Memory	128 MB Flash	128 MB Flash	128 MB Flash	256 MB Flash	256 MB Flash	256 MB Flash	256 MB Flash	256 MB Flash
Serial	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable
Ethernet	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch
USB	1 Host interface v.2.0	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)
Vector Graphics	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support
Object dynamics	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TrueType fonts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alarms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Historical Event List	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recipes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Trends	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multilanguage	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RTC	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery
Battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery
Expansion Slot	1 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin
Memory card	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot
Power Supply	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)
Current Consumption	0.55A at 24Vdc (max.)	0.65A at 24Vdc (max.)	0.7A at 24Vdc (max.)	0.7A at 24Vdc (max.)	1A at 24Vdc (max.)	1.0A at 24Vdc (max.)	1.2A at 24Vdc (max.)	1.2A at 24Vdc (max.)
Operating Temperature	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C	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	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
Operating and storage humidity	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing
Weight	Approx . 1.0 Kg	Approx. 1.0 Kg	Approx. 1.0 Kg	Approx. 1.0 Kg	Approx. 2.1 Kg	Approx. 2.8 Kg	Approx. 2.8 Kg	Approx. 3.5 Kg
Faceplate (LxH)	147x107 mm	187x147 mm	187x147 mm	187x147 mm	287x232 mm	336x267 mm	336x267 mm	392x307 mm
Cutout (AxB)	136x96 mm	176x136 mm	176x136 mm	176x136 mm	276x221 mm	326x256 mm	326x256 mm	381x296 mm
Depth (D+T)	56 + 4 mm	47 + 4 mm	47 + 4 mm	47 + 4 mm	56 + 4 mm	56 + 4 mm	56 + 4 mm	60 + 4 mm
Protection Class (front)	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Protection Class (rear)	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Approvals	CE, DNV / cULus Class I, Div. 2	CE, DNV / cULus Class I, Div. 2	CE, DNV / cULus Class I, Div. 2	CE, DNV* / cULus Class I, Div. 2*	CE, DNV / cULus Class I, Div. 2	CE, DNV / cULus Class I, Div. 2	CE, DNV / cULus Class I, Div. 2	CE, DNV / cULus Class I, Div. 2

PLCM01	Plug-in module CAN
PLCM01-CDS	Plug-in module CAN + CODESYS
PLCM05-CDS	Plug-in module CODESYS
PLCM01-NE	Plug-in module CAN - No Expansion
PLCM01-NEC	Plug-in module CAN - No Expansion + CODESYS
PLCM02	Plug-in module for KNX/EIB (TP interface)
PLCM02-CDS	Plug-in module for KNX/EIB (TP interface) + CODESYS
PLIO03	I/O Module with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 Programmable AI, 4 Programmable AO, 1 PT100
PLIO06	Compact I/O Module. 8 DI, 6 DO, 1 Relay Output
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

Cut-out

eTOP Series 500 Glass for HARSH application - No Limits HMI
Main Features

- Protection class IP69K
- DNV
- ATEX
- UL Class I. Div 2 Haz. Loc
- Extended temperature range (-20 ° C +60 ° C)
- Ideal solutions for extreme, outdoor, marine, automotive applications
- Capacitive Touchscreen
- Innovative mechanical design and all-metal enclosure
- Available in different sizes: 7" and 15"
- Solutions high performance
- Brilliant displays with LED technology all in full color
- UV Resistant
- High brightness. Readable even in sunlight
- Gateway function, remote installation of application and remote assistance
- Ethernet, USB, serial ports and MPI integrated
- Optional plug-in modules for fieldbus systems and networks
- Support SD Card
- Coating on all Electronic Boards
- Optional IEC 61131-3 Soft PLC (CODESYS)
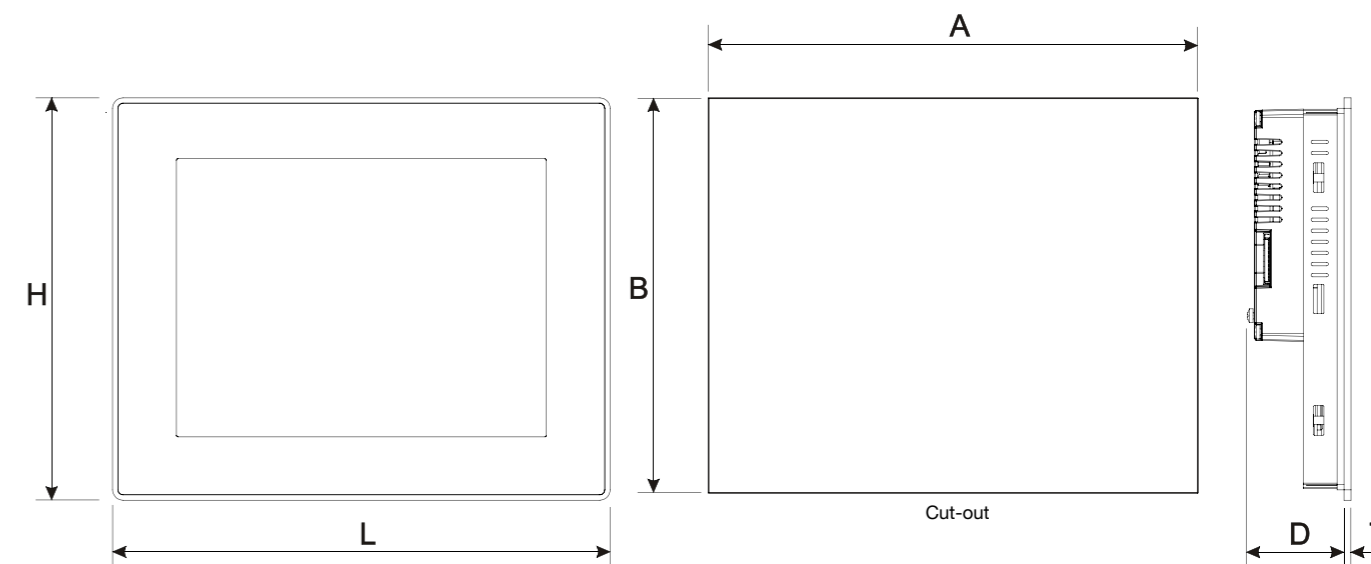- Special versions for custom applications

SERIES

500

GLASS

NO LIMITS HMI

EXOR
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	eTOP507G	eTOP507MG	eTOP515G
Display	7" TFT 16:9	7" TFT 16:9	15" TFT
Resolution	800x480, WVGA	800x480, WVGA	1024x768, XGA
Backlight	LED	LED	LED
Brightness	400 Cd/m² typ.	400 Cd/m² typ.	1500 Cd/m² typ.
Dimming	Yes	Yes	Yes
Colors	64K	64K	64K
Touchscreen	True Glass Projected Capacitive	True Glass Projected Capacitive	True Glass Projected Capacitive
Portrait Mode	Yes	Yes	Yes
CPU	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz
User Memory	128 MB Flash	256 MB Flash	256 MB Flash
Serial	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable
Ethernet	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch
USB	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host interfaces (1 version 2.0, 1 version 2.0 and 1.1)
Vector graphics	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support
Object dynamics	Yes	Yes	Yes
TrueType fonts	Yes	Yes	Yes
Alarms	Yes	Yes	Yes
Historical Event List	Yes	Yes	Yes
Recipes	Yes	Yes	Yes
Password	Yes	Yes	Yes
Trends	Yes	Yes	Yes
Multilanguage	Yes	Yes	Yes
RTC	Yes, with battery	Yes, with battery	Yes, with battery
Battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery
Expansion Slot	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin
Memory card	SD Card Slot	SD Card Slot	SD Card Slot
Power Supply	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)
Current Consumption	0.8A at 24Vdc (max.)	0.9A at 24Vdc (max.)	1.4A at 24Vdc (max.)
Operating Temperature	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
Storage Temperature	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Operating and storage humidity	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing
Weight	Approx. 1.0 Kg	Approx. 1.0 Kg	Approx. 4.0 Kg
Faceplate (LxH)	187x147 mm	187x147 mm	392x307 mm
Cutout (AxB)	176x136 mm	176x136 mm	381x296 mm
Depth (D+T)	47 + 8 mm	47 + 8 mm	56 + 8.5 mm
Protection Class (front)	IP69K	IP69K	IP69K
Protection Class (rear)	IP20	IP20	IP20
Approvals	CE, DNV, ATEX / cULus Class I, Div. 2 Haz. Loc.	CE, DNV, ATEX / cULus Class I, Div. 2 Haz. Loc.	CE, DNV, ATEX / cULus Class I, Div. 2 Haz. Loc. *

PLCM01 PLCM01-CDS PLCM05-CDS	Plug-in module CAN Plug-in module CAN + CODESYS Plug-in module CODESYS	
PLCM01-NE PLCM01-NEC	Plug-in module CAN - No Expansion Plug-in module CAN - No Expansion + CODESYS	
PLCM02 PLCM02-CDS	Plug-in module for KNX/EIB (TP interface) Plug-in module for KNX/EIB (TP interface) + CODESYS	
PLIO03	I/O Module with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 Programmable AI, 4 Programmable AO, 1 PT100	
PLIO06	Compact I/O Module. 8 DI, 6 DO, 1 Relay Output	
PLCM03 PLCM04	Plug-in module RS-232 Plug-in module RS-422/485 with optical insulation	
PLCM06	Plug-in module Profibus DP slave 12 Mb	

Cut-out

HMI & PLC + I/O

This is the ideal solution for compact applications or can complement control systems that already exist. It can be used as a PLC independently for advanced calculations or in combination with local I / O or remote fieldbus. The panels maintain connectivity to drives, bus system and HMI controls. CODESYS, in version 2 and in the new Version 3, is now the common standard soft PLC platform for hundreds of controllers in industrial automation and permits, through the use of all the standard IEC programming, an easy and rapid deployment of the application.

The PLC modules are compatible with all eTOP600, eTOP500 and eBIS500 products. Excellent price / performance ratio.

eTOP507 + PLIO03 + PLCM01 - CAN

eTOP504 + PLIO03 + PLCM01 - CAN

HMI + PLC

CODESYS

The products of the series DomiOP eBIS500 HMI series combine state-of-the-art features and top performance with an outstanding design. They are the ideal choice for all demanding HMI applications for building and home automation.

• Flexible control of building for today and tomorrow
• Control of lights, blinds, temperature, heating, etc.
• Scene programming for a more comfortable life
• Designed for wall mounting
• 4.3", 7", 10" up to 13.3" TFT display with 64K colors
• Resistive Touchscreen
• Integrated Ethernet Ports
• Interface KNX TP-optional
• Available in 3 colors (white/black/silver)
• Optional aluminum front cover (for some models)
• USB Ports
• SD memory card
• Certified for residential
• Low energy consumption of energy
• Option boxes for flush mounting in walls and plasterboard
• 5 year warranty

• Powerful and intuitive programming with JMobile Studio
• Everything under control anywhere, anytime
• Remote Access (client, browser-based and VNC)
• Support for a wide range of communication drivers
• Vector graphics with SVG support
• Full support for dynamic objects
• Data display as numerical, text, bargraph, analog gauges and graphic image formats
• Rich set of HMI functionality
• Data acquisition and trend presentations
• Full support of multilingual applications
• Powerful scripting language
• Alarm handling
• Control of User and Groups
• Tag Editor and Tag Database
• Advanced HMI objects: e-mail, RSS feeds, Scheduler, Rotating menu, Video input
• Security and surveillance with IP cameras
• On-line and off-line simulation
• Report printing to USB printer
• Optional IEC 61131-3 Soft PLC (CODESYS)
• Rich symbol library and project templates
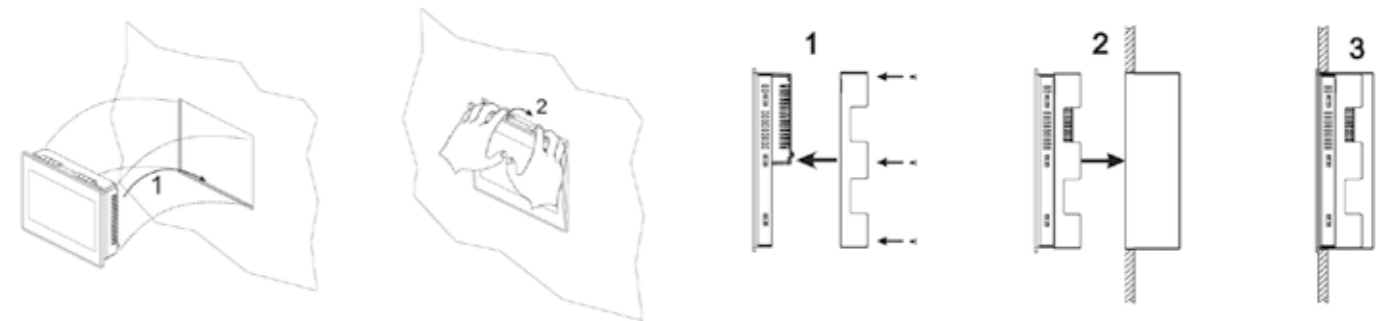
eBIS
Home & Building Automation

EXOR
INTERNATIONAL

	eBIS504	eBIS507	eBIS510	eBIS513
Display	4.3" TFT 16:9	7" TFT 16:9	10"4 TFT	13"3 TFT 16:9
Resolution	480x272, WQVGA	800x480, WVGA	800x600, SVGA	1280x800, WXGA
Backlight	LED	LED	LED	LED
Brightness	150 cd/m^2 typ.	300 Cd/m^2 typ.	300 Cd/m^2 typ.	300 Cd/m^2 typ.
Dimming	Yes	Yes	Yes	Yes
Colors	64K	64K	64K	64K
Touchscreen	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive
CPU	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz
User Memory	128 MB Flash	128 MB Flash	256 MB Flash	256 MB Flash
Serial	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable	RS-232, RS-485, RS-422, MPI software configurable
Ethernet	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch
USB	1 Host Interface (v.2.0 and v.1.1)	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)
Vector graphics	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support
Object dynamics	Yes	Yes	Yes	Yes
TrueType fonts	Yes	Yes	Yes	Yes
Alarms	Yes	Yes	Yes	Yes
Historical event list	Yes	Yes	Yes	Yes
Recipes	Yes	Yes	Yes	Yes
Password	Yes	Yes	Yes	Yes
Multilanguage	Yes	Yes	Yes	Yes
RTC	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery
Battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery
Expansion Slot	1 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin
Memory Card	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot
Power Supply	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (10 to 32 Vdc)
Current Consumption	0.4A at 24 VDC (max.)	0.7A at 24 VDC (max.)	1A at 24 VDC (max.)	1.2A at 24 VDC (max.)
Operating Temperature	5 to 40 °C	5 to 40 °C	5 to 40 °C	5 to 40 °C
Storage Temperature	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
Operating and storage humidity	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing
Weight	Approx 1.0 Kg	Approx 1.0 Kg	Approx 2.1 Kg	Approx 2.8 Kg
Faceplate (LxH)	147x107 mm (5.78x4.21")	187x147 mm (7.36x5.79")	287x232 mm (11.3x9.13")	336x267 mm (13.22x10.51")
Cutout (AxB)	136x96 mm (5.35x3.78")	176x136 mm (6.93x5.35")	276x221 mm (10.86x8.70")	326x256 mm (12.83x10.07")
Depth (D+T)	56 + 4 mm (2.40+0.16")	47+4 mm (1.85+0.16")	56+4 mm (2.20+0.16")	56+4 mm (2.20+0.16")
Protection Class	IP20	IP20	IP20	IP20
Approvals	EN 50090-2-2 + EN 50090-2-2/A1+EN 50090-2-2/A2 Immunity EN 61000-6-1, Emission EN 61000-6-3 for installation in residential environments	EN 50090-2-2 + EN 50090-2-2/A1+EN 50090-2-2/A2 Immunity EN 61000-6-1, Emission EN 61000-6-3 for installation in residential environments	EN 50090-2-2 + EN 50090-2-2/A1+EN 50090-2-2/A2 Immunity EN 61000-6-1, Emission EN 61000-6-3 for installation in residential environments	EN 50090-2-2 + EN 50090-2-2/A1+EN 50090-2-2/A2 Immunity EN 61000-6-1, Emission EN 61000-6-3 for installation in residential environments

PLCM02	Plug-in module for KNX/EIB (TP interface)
PLCM02-CDS	Plug-in module for KNX/EIB (TP interface) + CODESYS

Wall Mounting - eBIS504-507

Wall Mounting - eBIS510-513

0N3 Handheld - Mobile HMI Solutions
Main Features

- Handheld HMI device with Safety Functions
- Compact and Lightweight
- Ergonomic design
- Programming tool "Drag&Drop"
- High reliability from industrial grade components
- Create user interfaces for all application areas
- Supports a great number of communication protocols
- Resistive touchscreen and keypad with tactile feedback
- USB Ports
- Emergency Stop button and 3-position Enabling Switch
- Integrated Handwheel, available as option
- Integrated 16-position selector and potentiometers
- Connection box, available as option
- Device Holder, available as option
- Cable length 5, 10, 20 meters
- Low Power Consumption
- Extended sales and support network

0N3 is an independent brand company specialized in safety products for Factory Automation.

0N3 handhelds are engineered and supported by Exor International S.p.A.

For further information:
www.0n3.eu

eTOP Series 300 - Solid as a Rock
Main Features

- 5 Year Warranty
- Elegant and robust all-metal design
- Analog resistive touch screen
- Brilliant displays with LED technology
- Gateway function, remote installation of application and remote assistance
- Ethernet, USB host ports and serial integrated
- Optional plug-in modules for fieldbus systems and networks
- Optional IEC 61131-3 Soft PLC (CODESYS)
- Front available in three colors (White/Black/Silver)

Step into the future
with an eye on the past

- Programming via Designer software, already used in the Legacy Series
- Support for a full range of communication drivers for all types of PLC
- Display data in numerical form, bar, for analog gauges and images
- Data acquisition and trend visualization
- Recipe data storage
- Multilingual Applications
- Password
- Alarm handling
- Remote monitoring and control
- Report printing to USB printer
- Optional IEC 61131-3 Soft PLC (CODESYS)
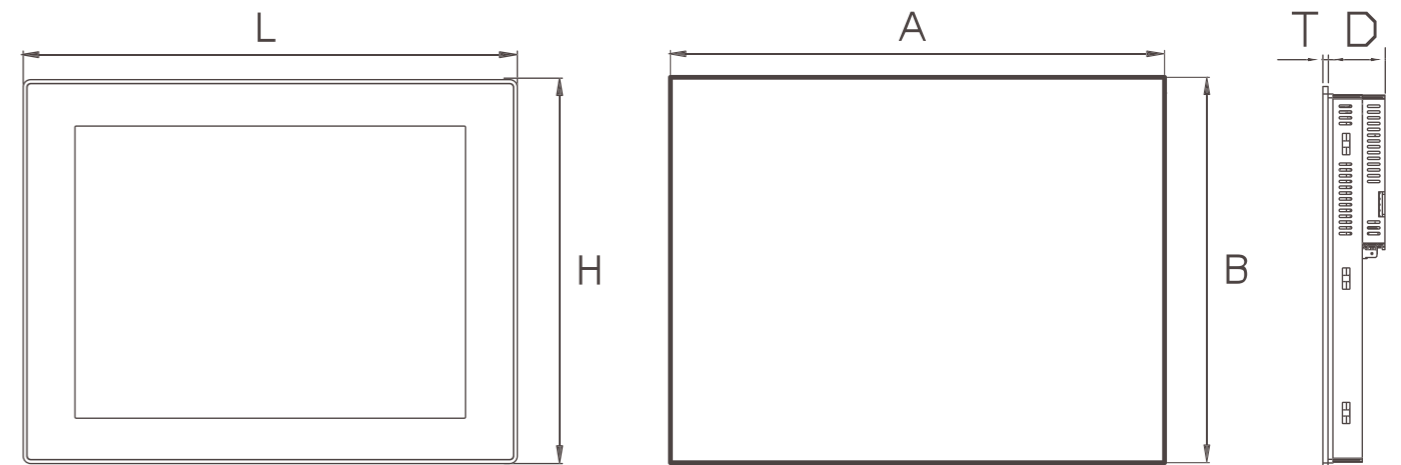- Rich symbol library

SERIES
300
SOLID AS A ROCK

EXOR
INTERNATIONAL

	eTOP306	eTOP307	eTOP310	eTOP312	eTOP313	eTOP315
Display	5.7" TFT	7" TFT 16:9	10"4 TFT	12"1 TFT	13"3 TFT 16:9	15" TFT
Resolution	320x240, QVGA	800x480, WVGA	640x480, VGA	800x600, SVGA	1280x800, WXGA	1024x768, XVGA
Backlight	LED	LED	LED	CCFL	LED	CCFL
Dimming	Yes	Yes	Yes	Yes	Yes	Yes
Colors	64K	64K	64K	64K	64K	64K
Touchscreen	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive
User Memory	64 MB Flash	64 MB Flash	64 MB Flash	64 MB Flash	64 MB Flash	64 MB Flash
Serial	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, oftware configurable
Ethernet	10/100 Mbit	10/100 Mbit	10/100 Mbit	10/100 Mbit	10/100 Mbit	10/100 Mbit
USB	Host interface version 1.1	Host interface version 1.1	Host interface version 1.1	Host interface version 1.1	Host interface version 1.1	Host interface version 1.1
TrueType fonts	Yes	Yes	Yes	Yes	Yes	Yes
Alarms	Yes	Yes	Yes	Yes	Yes	Yes
Historical event list	Yes	Yes	Yes	Yes	Yes	Yes
Recipes	Yes	Yes	Yes	Yes	Yes	Yes
Password	Yes	Yes	Yes	Yes	Yes	Yes
Multilanguage	Yes	Yes	Yes	Yes	Yes	Yes
RTC	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery
Battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery
Power supply	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)
Current Consumption	0.55A at 24Vdc (max.)	0.6A at 24Vdc (max.)	0.8A at 24Vdc (max.)	1.0A at 24Vdc (max.)	0.6A at 24Vdc (max.)	1.1A at 24Vdc (max.)
Operating Temperature	0 to 50 °C	0 to 50 °C	0 to 50 °C	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	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
Operating and storage humidity	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing	5 - 85%, RH non-condensing
Weight	Approx. 1.0 Kg	Approx. 1.0 Kg	Approx. 2.1 Kg	Approx. 2.8 Kg	Approx. 2.5 Kg	Approx. 3.4 Kg
Faceplate (LxH)	187x147 mm	187x147 mm	287x232 mm	336x267 mm	336x267 mm	392x307 mm
Cutout (AxB)	176x136 mm	176x136 mm	276x221 mm	326x256 mm	326x256 mm	381x296 mm
Depth (D+T)	45 + 4 mm	45 + 4 mm	42 + 4 mm	42 + 4 mm	42 + 4 mm	46 + 5 mm
Protection Class (front)	IP65	IP65	IP65	IP65	IP65	IP65
Protection Class (rear)	IP20	IP20	IP20	IP20	IP20	IP20
Approvals	CE / cULus Class I, Div. 2	CE / cULus	CE / cULus Class I, Div. 2	CE / cULus Class I, Div. 2	CE / cULus	CE / cULus Class I, Div. 2

SCM05-C	PLC module with CODESYS 2.x runtime. CANopen master interface	
TCM01 TCM02 TCM03 TCM07 TCM08 TCM09	Add-on module for Siemens MPI (S7 300-400) Add-on module for Moeller Suconet K Add-on module for DeviceNet Add-on module for Siemens MPI (S7 300-400), without optoisolation Add-on module for Profibus DP slave 12 Mb Add-on module for CANopen	

L   A   T D

H   B

Cut-out

Key Operated and Legacy Products

The UniOP family, currently available in over 100 different models, is presented with a range of HMI devices easily programmable with the Designer software configuration. This allows both the complete adaptability with varied industrial equipment in different application fields and a substantial reduction in cost for the creation of applications and their maintenance.

- Programming via the historic Designer software
- Support for a full range of communication drivers for all types of PLC
- Display data in numerical form, bar, for analog gauges and images
- Data acquisition and trend visualization
- Recipe data storage
- Multilingual Applications
- Password
- Alarm handling
- Remote monitoring and control
- Report printing to USB printer
- Optional IEC 61131-3 Soft PLC (CODESYS)
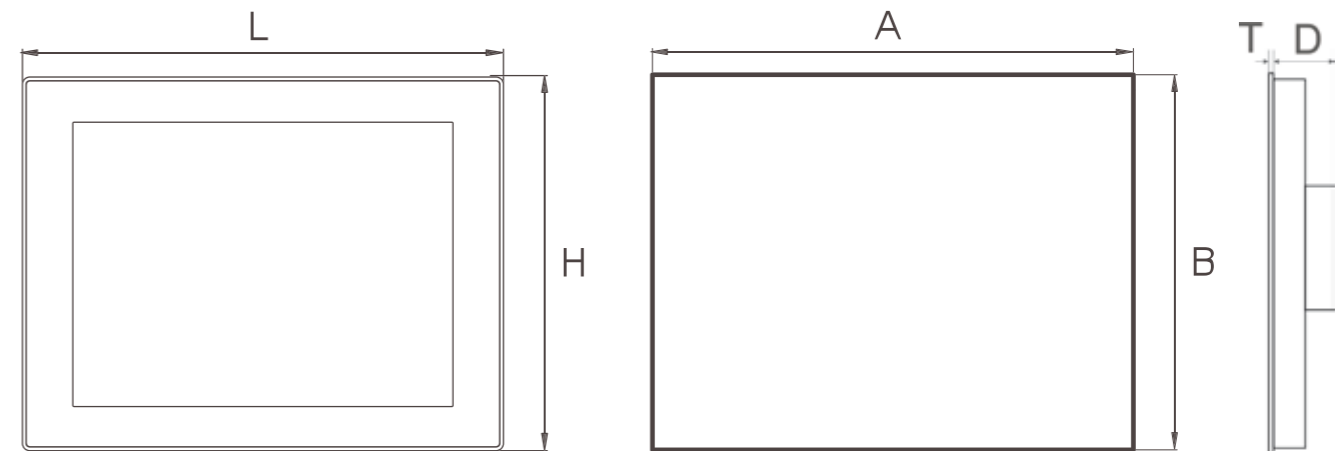- Rich symbol library

SERIES

UniOP

EXOR
INTERNATIONAL

UniOP™ — HMI and Control

		ePALM10	ePAD03 / ePAD04	ePAD05 / ePAD06	CP10G-04	eTOP03	eTOP04C	eTOP05	eTOP06	eTOP06C
Display:	Type	LCD	LCD	LCD	LCD	LCD monochrome	TFT Color	LCD monochrome	TFT Color	TFT Color
	Colors	-	-	-	-	-	256	-	256	64K
	Diagonal	-	-	-	-	3.8"	4.3"	5.7"	5.7"	5.7"
	Lines x Characters	8 x 20	4 x 20	4 x 20	4 x 20	-	-	-	-	-
	Resolution	120 x 64	120 x 32	120 x 32	120 x 32	320 x 240	480 x 272	320 x 240	320 x 240	320 x 240
	Dimming	-	-	-	-	-	Yes	-	-	Yes
Operator Interface	Touchscreen	-	-	-	-	Yes	Yes	Yes	Yes	Yes
	Function Keys	9	4	9	12	-	-	-	-	-
	System Keys	18	6	10	23	-	-	-	-	-
	Numerical Keys	Yes	-	Yes	Yes	-	-	-	-	-
	LED indicators	20	5	10	13	-	-	-	-	-
Memory	User Memory	512KB	512 KB	512KB	512KB	512KB	2 MB	32 MB	32 MB	64 MB
	Flash Card option	-	-	-	-	-	-	Yes	Yes	Yes
	Recipe Memory	16KB	16KB / -	16KB / -	16KB	32KB	32 KB	32KB	32KB	Flash
Interfaces	PLC port	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485
	Programming/Printer port	Yes	-	-	Yes	-	-	Yes	Yes	Yes
	UniNet (server and client)	Yes	client	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Aux port	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Ethernet port	-	-	-	-	-	Yes	-	-	Yes
	USB port	-	-	-	-	-	Yes	-	-	Yes
	Video Input Option	-	-	-	-	-	-	-	-	Yes
Communication	200 drivers, 11 fieldbuses	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Dual driver	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Features	Graphic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Vector graphics	-	-	-	-	-	Yes	-	-	Yes
	TrueType font support	-	-	-	-	-	-	-	-	Yes
	Trend acquisition	-	-	-	-	-	-	Yes	Yes	Yes
	Battery	Yes	Yes / -	Yes / -	Yes	Yes	Yes	Yes	Yes	Yes
	Real Time Clock	Yes	Yes / -	Yes / -	Yes	Yes	Yes	Yes	Yes	Yes
	Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Alarms	1024	1024	1024	1024	1024	1024	1024	1024	1024
	Event list	256	256 / -	256 / -	256	256	256	1024	1024	1024
	Voltage	18-30 VDC	18-30 VDC	18-30 VDC	18-30 VDC	18-30 VDC	18-30 VDC	18-30 VDC	18-30 VDC	18-30 VDC
	Current rating	0.3 A	0.25 A	0.25 A	0.3 A	0.4 A	0.4 A	0.6 A	0.5 A	1.0 A
Environment	Protection Class	IP65	IP65, NEMA 4X	IP65, NEMA 4X	IP65, NEMA 4X	IP65, NEMA 4X	IP65, NEMA 4X	IP65, NEMA 4X	IP65, NEMA 4X	IP65, NEMA 4X
	Temperature range	0 – 50 °C	0 – 50°C	0 – 50°C	0 – 50°C	0 – 50°C	0 - 50°C	0 – 50°C	0 – 50°C	0 – 50°C
Dimensions	Faceplate (LxH)	116x239	149x109	149x109	141x176	149x109	149 x109	187x147	187x147	187x147
	Cutout (AxB)	Handheld wired (5 - 10 mt)	136x96	136x96	128x163	136x96	136x96	176x136	176x136	176x136
	Depth (D+T)	-	50 + 5 mm	50 + 5 mm	75 + 5 mm	61 + 5 mm	56 + 5 mm	67 + 4 mm	91 + 4 mm	91 + 4 mm
	Weight	0,5 Kg	1 Kg	1 Kg	1.1 Kg	1 Kg	1 Kg	1.4 Kg	1.4 Kg	1.4 Kg
Approvals		CE, UL	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL
Programming		Designer 6	Designer 6	Designer 6	Designer 6	Designer 6	Designer 6	Designer 6	Designer 6	Designer 6

SCM05-C	PLC module with CODESYS 2.x runtime. CANopen master interface	
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