EXOR INTERNATIONAL

Tech-note

DomiOP eBIS507

The DomiOP eBIS Series 500 HMI products combine state-of-the-art features and top performance with an oustanding design. They are the ideal choice for all demanding HMI applications including factory and building automation.
The eTOP507 features a bright 7" TFT widescreen (16:9) display with LED backlight.
The JMobile software offers full vector graphic capabilities and plenty of connectivity options.

- 7" TFT color display, LED backlight
- 800x480 pixel (WVGA) resolution, 64K colors
- Resistive touchscreen
- 2 Ethernet ports with switch function
- 2 USB Host ports
- SD Card Slot
- Connection to bus systems using optional plug-in modules
- Slim design. Mounting depth less than 50mm

Highlights

The eBIS Series 500 HMI panels have been designed to run the JMobile software.

- JMobile runtime included. Full compatibility with JMobile Studio.
- Full vector graphic support. Native support of SVG graphic objects. Trasparency and alpha blending.
- Full object dynamics: control visibility and transparency, move, resize, rotate any object on screen. Change properties of basic and complex objects.
- TrueType fonts
- Multilanguage applications. Easily create and manage your applications in multiple languages to meet global requirements. Far East languages are supported. Tools available in JMobile Studio support easy third-party translations and help reducing development and maintenance costs of the application
- Data display in numerical, text, bargraph, analog gauges and graphic image formats.
- Rich set of state-of-the-art HMI features: data acquisition, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipes, users and passwords, e RSS feeds, rotating menus

- Includes support for a wide range of communication drivers for Factory and Building Automation systems.
- Multiple drivers communication capability.
- Remote monitoring and control. Client-Server functionality. Mobile clients supported.
- Off-line simulation with JMobile Studio.
- Powerful scripting language for automating HMI applications. Script debugging improves efficiency in application development.
- Rich gallery of symbols and objects
- Project templates
- Optional plug-in modules for fieldbus systems, I/O and controllers.

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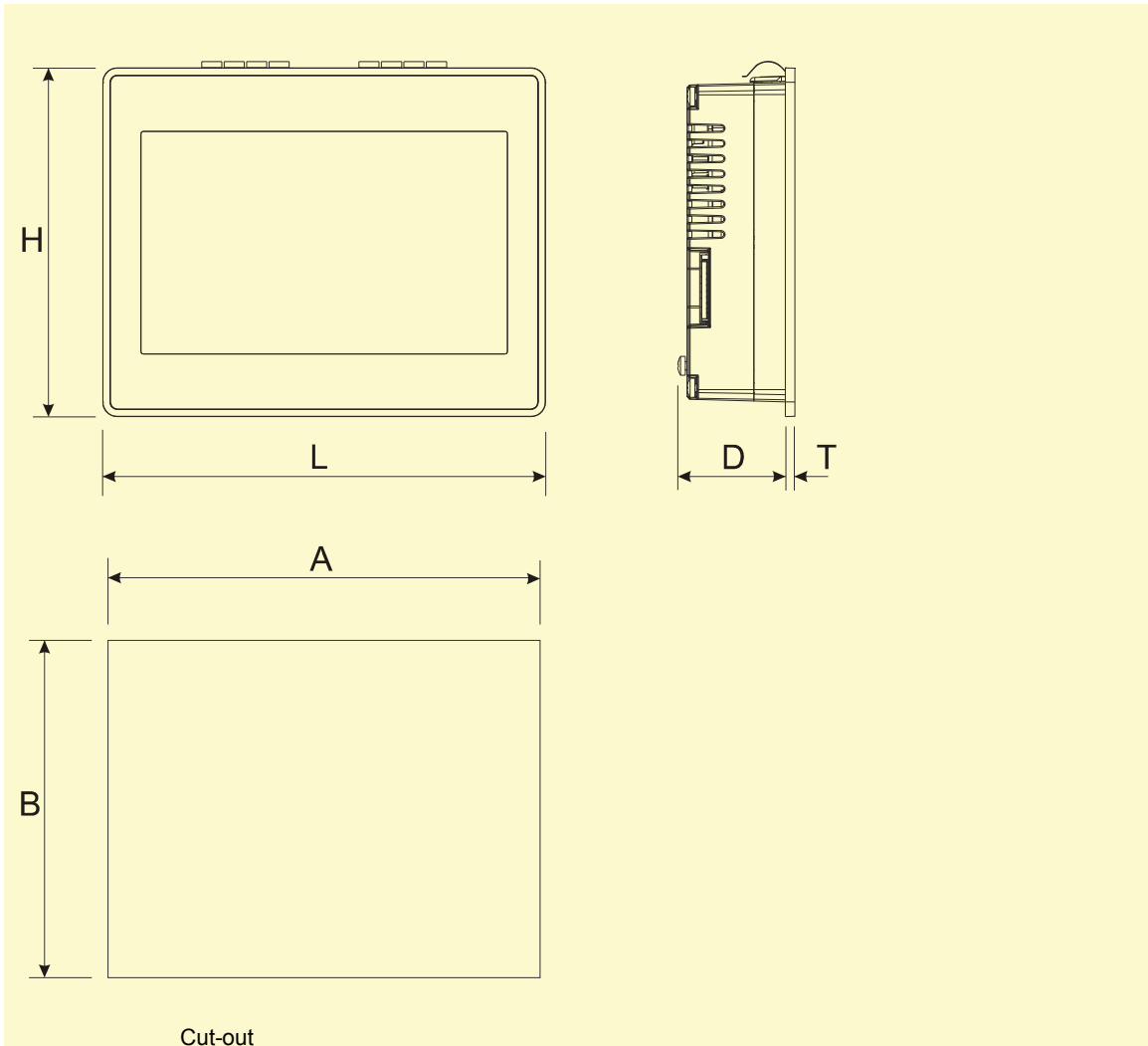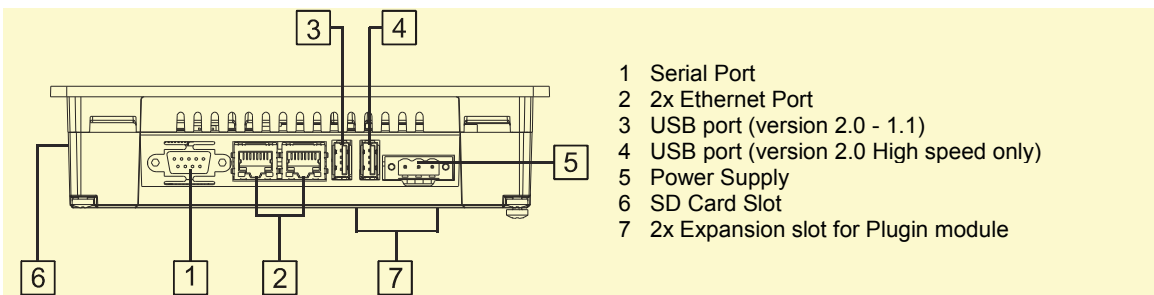Everything for your HMI running
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Technical Data

Display
Type	TFT
Resolution	800x480, WVGA
Active display area	7" diagonal
Colors	64K
Backlight	LED
Brightness	300 Cd/m^2 typ.
Dimming	Yes

System Resources
Operating System	Microsoft Windows CE 6.0
User memory	128 MB Flash
RAM	256MB DDR

Operator Interface
Touchscreen	Analog resistive
User LED indicators	1 (dual color)

Interface
Ethernet	2 10/100 Mbit with integrated Switch
USB	2 Host Interface (1 version 2.0, 1 version 2.0 and 1.1)
Serial	RS-232, RS-485, RS-422, software configurable
Expansion Slot	2 Optional Plugin
Memory Card	SD Card Slot

Functionality
Vector graphics	Yes, includes SVG support
Object dynamics	Yes. Visibility, opacity, position, size, rotation for most object types.
TrueType fonts	Yes
Multiple driver communication	Yes
Data acquisition and trend presentation	Yes. Flash memory storage
Multilanguage	Yes, with runtime language switching.
Recipes	Yes. Flash memory storage
Alarms	Yes
Historical event list	Yes
Users and passwords	Yes

Hardware Real Time Clock	Yes, with battery back-up
Screen saver	Yes
Buzzer	Yes, audible feedback for touchscreen

Ratings
Power supply voltage	24 Vdc (18 to 30 Vdc)
Current consumption	0.7A at 24Vdc(max.)
Fuse	Automatic
Weight	Approx 1.0 Kg
Battery	Rechargeable Lithium battery, not user-replaceable

Environmental Conditions
Operating temperature	5 to 40 °C (vertical installation)
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 – 85 % relative humidity, non-condensing
Protection class	IP20

Dimensions
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+4 mm (1.85+0.16")

Approvals
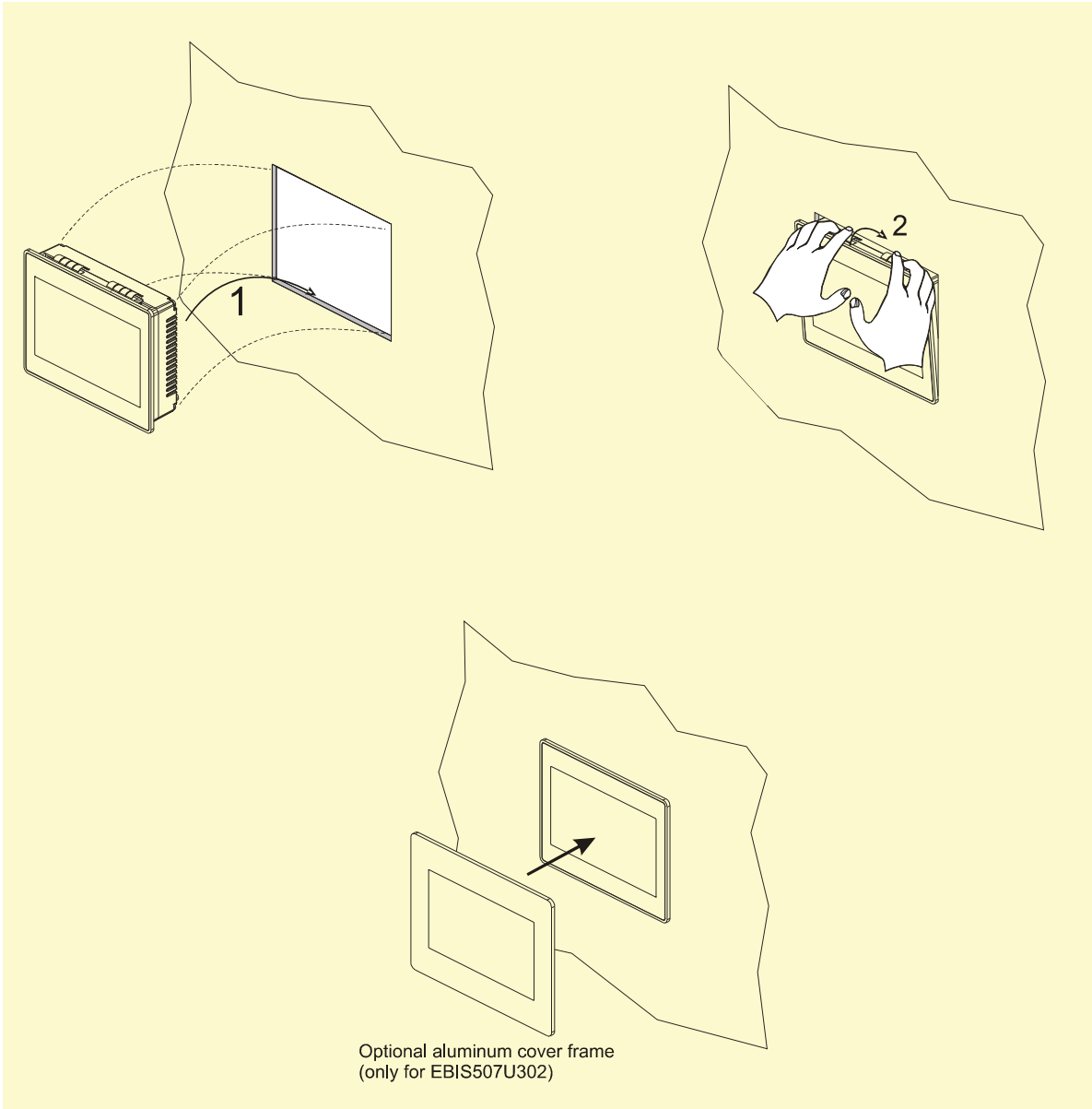|	
CE	EN 50090-2-2 + EN 50090-2-2/A1+EN 50090-2-2/A2 Immunity EN 61000-6-1, Emission EN 61000-6-3 for installation in residential environments

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Dimensions

Cut-out

Connections

1 Serial Port
2 2x Ethernet Port
3 USB port (version 2.0 - 1.1)
4 USB port (version 2.0 High speed only)
5 Power Supply
6 SD Card Slot
7 2x Expansion slot for Plugin module

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Mounting into Wall-mount Box

Optional aluminum cover frame
(only for EBIS507U302)

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Ordering Information

Model	Part Number	Description
eBIS507-White	+EBIS507U101 +EBIS507U103	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile run-time. White front panel.
eBIS507-Silver	+EBIS507U201 +EBIS507U203	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile run-time. Silver front panel.
eBIS507-Black	+EBIS507U301 +EBIS507U303	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile run-time. Black front panel.
eBIS507-Black with cover	+EBIS507U302 +EBIS507U304	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile run-time. Black front panel, with additional cover
COVER07-01	R-COVER013	Aluminum cover frame for eBIS507 – only for +EBIS507U302/+EBIS507U304
BOX507-01	R-BOX11	Wall-mount box for eBIS507

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