

# Touch-it CE Embedded Kit glass 15 Eval Kit

## Datasheet

- **Display and Touch**
- **Easy Integration**
- **Projected Capacitive Touch Interface**

### DISPLAY

<b>LCD Size</b>	15 inch (38.1 cm)
<b>Resolution</b>	1024 x 768
<b>Aspect Ratio</b>	4 : 3
<b>Technology</b>	TFT
<b>Colours</b>	16.2M
<b>Backlight</b>	LED
<b>Backlight Life Time</b>	50.000 h
<b>Luminance*</b>	400 cd/m <sup>2</sup>
<b>Contrast Ratio*</b>	1500 : 1
<b>Viewing Angle* (right/left/up/down)</b>	85°/85°/85°/85°
<b>Display</b>	LQ150X1LG98
<b>Touch</b>	Projected Capacitive Touch, Anti-Glare

\*The values are referring to the displays only.

### SYSTEM

<b>CPU</b>	NVIDIA® Tegra™ 2 Dual Core 1.0 GHz Cortex-A9
<b>Graphic</b>	Integrated Ultra-low power NVIDIA GeForce GPU
<b>Video Decoder</b>	H.264, WMV9 VC-1, MPEG-4, MPEG-2, H.263, DivX, XviD
<b>Memory</b>	256MB DDR2 RAM 512MB DDR2 RAM (optional)
<b>Storage</b>	512MB NAND FLASH 1GB NAND FLASH (optional) MicroSD (up to 32GB)
<b>CMOS Battery</b>	Lithium Battery (CR1220)
<b>Operating System</b>	Windows Embedded Compact 7 Pro Linux (optional)

# Touch-it CE Embedded Kit glass 15 Eval Kit

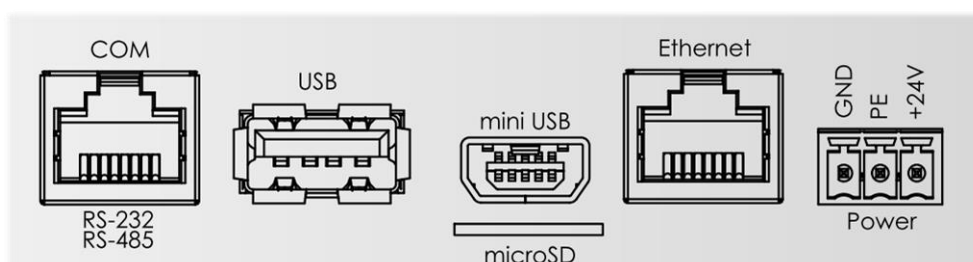
## Datasheet

### POWER SUPPLY

<b>Supply Voltage</b>	24 VDC $\pm$ 20%
<b>Power Consumption</b>	13 W
<b>Power Switch</b>	No

### INTERFACES CONNECTOR SIDE

<b>USB</b>	1 x USB Host (Type A) 1 x Mini USB OTG (Type B) (USB OTG superimposed by internal USB used for the Touch)
<b>LAN</b>	1 x 100Mbit Ethernet
<b>Communication</b>	1 x RS-232 1 x RS-485
<b>Mass Storage</b>	1x microSD up to 32GB
<b>Power Connector</b>	Phoenix 3-pol MC 1,5/ 3-ST-3,5 BK



Interfaces Connector Side

#### COM Connector Pinning

Pin	Function	Description
1	GND	
2	GND	
3	RS485_P	RS485 Positiv
4	RS232_TX	RS232 Transmitter Signal
5	RS232_RX	RS232 Receiver Signal
6	RS485_N	RS485 Negative
7	n.c.	n.c.
8	n.c.	n.c.

# Touch-it CE Embedded Kit glass 15 Eval Kit

## Datasheet

### INTERFACES ON BOARD

<b>Video</b>	18bit LVDS single channel
<b>Real Time Clock</b>	Yes
<b>Audio</b>	1 x Line In, 1 x Line Out, 1 x Mic In
<b>Communication</b>	1 x UART, 1 x SPI 4 x GPIOs, 1 x ADC
<b>LED Backlight Connector</b>	Yes

### MECHANICAL & ENVIRONMENTAL

<b>Dimensions</b>	362.8 ± 0.2 mm x 286.8 ± 0.2 mm x 41.2 mm
<b>Operating Temperature</b>	0°C ~ +60 °C
<b>Humidity</b>	5 ~ 80% (non condensing)



# Touch-it CE Embedded Kit glass 15 Eval Kit

## Datasheet

### ORDERING INFORMATION

Art.-No.	Description
E765501	Touch-it CE Embedded Kit glass 15
E765503	Touch-it CE Embedded Kit glass 15 Eval Kit

Notice: The inverter has to be cooled down.

### DISCLAIMER

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

### CHRIST ELECTRONIC SYSTEMS GMBH MANUFACTURE OF INDUSTRIAL ELECTRONICS

#### CONTACT

Christ Electronic Systems GmbH  
Alpenstraße 34  
87700 Memmingen  
Phone: +49 8331/ 83710  
[www.christ-es.de](http://www.christ-es.de)

#### FROM IDEAS TO REALITY

We are a German developer and manufacturer of innovative HMI-systems for demanding industrial applications. Christ offers an extensive range of

TOUCH PANEL PCs	x86 & ARM
TOUCH MONITORS	7" – 24"
SINGLE BOARD COMPUTER	Windows & Linux
VISUALISATION SYSTEMS	HMI & SCADA

Copyright / © Christ Electronic Systems GmbH 5 / 5  
a member of the Christ Company Group

Jan. 2018, Revision 00  
Document No.: PA10002632