



DATASHEET

# DIVUS HOME

Smart living

DH 10 - 15

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## TOUCH PANEL FOR WALL MOUNT - DHXX-M

### TECHNICAL DATA

	DH10-XGA-M	DH15-XGA-M
Type of design	ultra compact embedded PC for wall mount; noiseless and without any rotating part	
Front Unit	10,4" - 26,4 cm	15" - 38.1 cm
Luminosity	400 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>
Contrast	1200:1	400:1
Resolution (in Pixel)	XGA 1024x768	XGA 1024x768
MTBF backlight tubes	50.000 h	50.000 h
Method of operating	resistive touch screen with USB touch controller, 6-wire technology	
Rating	IP20 according EN 60529	

### GENERAL CHARACTERISTICS

Processor	<b>Intel Celeron Quad Core J1900 - 2.0 GHz - 2MB L2 cache -- FANLESS</b>	
Memory	2GB DDR3L SDRAM	
Free expansion slots	-	1 x PCI Express x1 (riser card optional)
Operating systems	Microsoft Windows Embedded standard 7 Multilanguage Interface <sup>1</sup>	
Power Supply	90-260VAC auto range fanless	
Power consumption	max. 30 W	max. 40 W
Guarantee	24 Months*	

### DRIVES

Storage medium	high speed MSATA 60GB (40 GB available)
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### INTERFACES

LAN/Ethernet	2 x Realtek PCIe 10/100/1000 Mbit controller
USB (Universal Serial Bus)	5 x USB 2.0 (2 x int, 1 x ext, 2 front accessible), 1 x USB 3.0 (ext)
Serial Interface	<b>Up to 5 x RS232</b> (2 x ext, 3 x int), <b>1 x RS232/422/485</b> (1 x int)
Keyboard/Mouse	USB
Multimedia	speaker and microphone included with echo cancellation
	HDTV resolution up to 1080i capable
	1 free VGA port (dual display architecture), AC'97 audio

### WATCHDOG FUNCTIONS

CPU Temperature	surveillance onboard
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### AMBIENT CONDITIONS

Vibration/Shock resistance	15G / 50G
EMC	EN 55011, 55022, 500081
Temperature	+0°C to +30°C max.
Relative humidity	5% to 80% at 25°C (no humidity/condense)
Authorization	CE

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## TOUCH PANEL FOR WALL MOUNT - DHXX-M TECHNICAL DATA

	DH10-XGA-M	DH15-XGA-M
<b>DIMENSIONS</b>		
Cut-Out MHxx [mm]	313x258x80	399x336x90
Outside with Frame [mm]	340x285x20	425x365x25
Weight	ca 7 kg	ca 9 kg
<b>MECHANICAL CHARACTERISTICS</b>		
Front	alloy anodised, to use with the wall mount box (MHxx) and cover(FH-xx)	
PC Unit	high-grade steel, EMC proofed	

\* warranty ex works, normally 24 months, fixed at order. All data refer on print date, errors and changes excepted.

<sup>1</sup> WES7 on request




NOTE: Internal connections are intended as inside the box unit, normally on pin header, external ones as outside the box. Nevertheless, once mounted in the wall, only connections described as "front accessible" will be reachable for the customer.

## EMBEDDED MONITOR FOR WALL MOUNT - DHXX-MONITOR TECHNICAL DATA

	DH10-MONITOR	DH15-MONITOR
Type of design	Compact wall mount monitor with touchscreen	
Front Unit	10,4" - 26,4 cm	15" - 38,1 cm
Luminosity	400 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>
Contrast	1200:1	400:1
Resolution (in Pixel)	XGA 1024x768	XGA 1024x768
MTBF backlight tubes	50.000 h	50.000 h
Method of operating	Resistive Touchscreen, 6-wire technology with USB Touchcontroller	
Rating	IP20 according EN 60529	
<b>GENERAL CHARACTERISTICS</b>		
Power Supply	90-260 VAC autorange	
Power consumption	max. 20 W	max. 30 W
Guarantee	24 Months*	

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## EMBEDDED MONITOR FOR WALL MOUNT - DHXX-MONITOR TECHNICAL DATA

	DH10-MONITOR	DH15-MONITOR
<b>INTERFACES</b>		
VGA	Connect with the VGA-Output of your box PC, 3m VGA cable furnished	
DVI	DVI port integrated	OPTIONAL: Choose DVI instead of VGA for digital signal transmission
Touch	Connect with the USB Port of your box PC, 5m USB cable furnished	
compatible with:		Windows 10 Windows 7 Windows Vista Windows 9X / Me Windows NT4.0 Windows 2000 / XP Windows CE.Net (4.x / 5.0) Windows CE 6.0 Windows Embedded Dos
		Mac OS 9.x Mac OS X Leopard Mac OS X Leopard (Intel CPU)
		Linux QNX Neutrino RTOS V6.3
<b>AMBIENT CONDITIONS</b>		
Vibration resistance	0,67G (5-500Mhz)	
Shock resistance	300G/2ms	
EMC	EN 55011, 55022, 500081	
Temperature	+0°C to +30°C max.	
Relative humidity	5% to 80% at 25°C (no humidity/condense)	
Authorization	CE	
<b>DIMENSIONS</b>		
Cut-Out MHxx [mm]	313x258x80	399x336x90
Outside with Frame [mm]	340x285x20	425x365x25
Weight	ca 5 kg	ca 5 kg
<b>MECHANICAL CHARACTERISTICS</b>		
Front	Alloy anodised, to use with the wall mount box (MHxx) and cover(FH-xx)	
PC Unit	High-grade steel, EMC proofed	


\*warranty ex works, normally 24 months, fixed at order. All data refer on print date, errors and changes excepted.

NOTE: Internal connections are intended as inside the box unit, normally on pin header, external ones as outside the box. Nevertheless, once mounted in the wall, only connections described as "front accessible" will be reachable for the customer.

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## FHXX-X DESIGN-FRAMES




### MODELS

FH10	Frame for DH10 – 10,4"		
FH15	Frame for DH15 – 15"		
Technical Data	Number	Color**	Material
Materials and colors	2	black	anodized aluminium
	5	natural	anodized aluminium
	RAL	RAL 	anodized aluminium, RAL varnished
	W	White	glass on aluminium base
	B	Black	glass on aluminium base




### DIMENSIONS

10,4"	340x285 mm
15"	425x365 mm

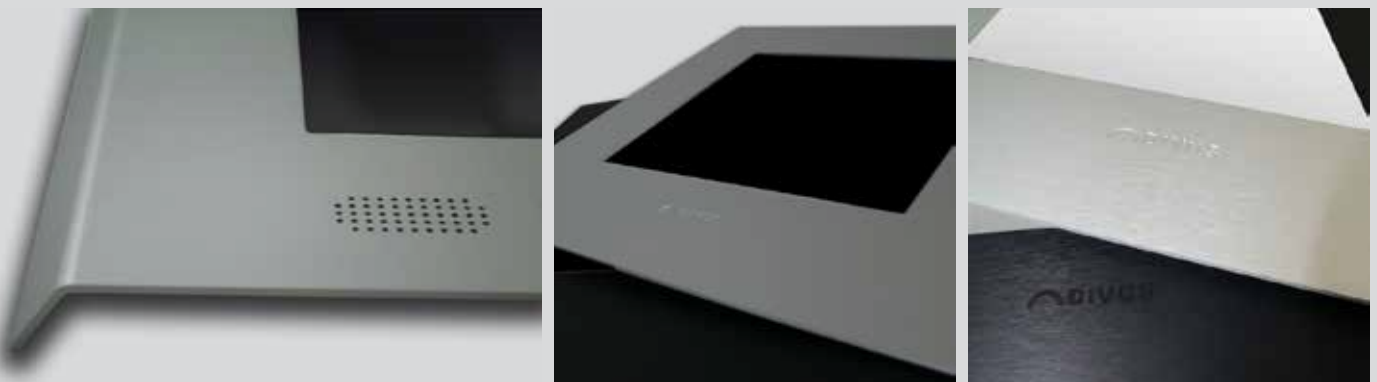
### MONTAGE / INSTALLATION INSTRUCTIONS / INSTALLAZIONE

-  Lagern Sie das Frame nach dem Transport für mindestens 24 Stunden bei Raumtemperatur, bevor Sie es montieren.
-  After transportation make sure to store the frame for at least 24 hours at room temperature before mounting it.
-  Prima del montaggio della cornice dopo il suo trasporto, è necessario mantenerla per almeno 24 ore a temperatura ambiente.

### HANDHABUNG UND PFLEGE / HANDLING AND CARE / CURA E MANUTENZIONE



-  Um den Wechselrahmen nicht zu beschädigen, benutzen Sie zum Putzen bitte ein sauberes, feuchtes Tuch. Verwenden Sie keine abrasiven und aggressiven Reinigungsmittel.
-  In order to prevent any damage of the design frame, use a clean, wet cloth to clean it. Don't use any abrasive and aggressive detergents.
-  Per la pulizia della cornice si consiglia l'utilizzo di un panno pulito e asciutto. Non usare detersivi abrasivi e/o aggressivi.

\* For technical reasons the color may differ from one frame to the next  
 \*\* Please check the availability before order.





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## MHXX WALL MOUNT B TECHNICAL DATA

TYPES	IN WALL MOUNT BOX	IN MORTARLESS MOUNT KIT
for DH10 – 10,4"	MH10	MH10T
for DH15 – 15"	MH15	MH15T
Technical Data		
Type of design	compact, stable and flat wall mount box	compact mounting kit for mortarless constructions
<b>DIMENSIONS (MM)</b>		
Cut-Out 10"	MH10 313x258	MH10T 285x230
Required space 10"	MH10 313x258x80	MH10T 340x285x80
Cut-Out 15"	MH15 399x336	MH15T 370x310
Required space 15"	MH15 399x336x90	MH15T 430x365x90
Weight	ca. 4kg	ca. 2kg
<b>MECHANICAL CHARACTERISTICS</b>		
Wall mount box	powder coated metal with cover for clean installation	steel plate with pattern for easy installation
Cable access	2xtop, 2xbottom, 2xleft, 2xright	on the back
		
Grounding	in addition to the DIVUSHOME even the MHxx needs to be professionally grounded	

## MONTAGE / INSTALLATION INSTRUCTIONS / INSTALLAZIONE

 Die Unterputzdose und das Trockenbaupaket MHxx können in einem Ausschnitt in der Wand oder in einem bis zu 1,5 cm dünnen Möbelstück, sowie in einem Trockenbau befestigt werden. Der Ausschnitt muss den in den technischen Details spezifizierten Maßen entsprechen und beim Wandeinbau mindestens 9 cm tief sein.  
Im Wandausschnitt wird die Unterputzdose eingemauert, während sie im Möbelstück angeschraubt werden kann. Es ist wichtig, dass die vordere Kante der MHxx plan und waagrecht zur Oberfläche der Wand oder des Möbelstückes ist.

 The wall mount box and the mounting kit may be installed in a cut out in the wall, in a wooden structure thick at least 1,5 cm or in a dry mortarless construction. The cut out has to respect the sizes specified in the technical data and has to be at least 9 cm deep.  
In the wall cut out, the box can be built in while it can be screwed on in a piece of furniture. It is important that the fore edge of the MHxx is flat and horizontally to the surface of the wall or the piece of furniture.

 Il box di installazione ed il kit di montaggio possono essere incassati o montati a muro, in un pannello di legno di spessore minimo di 1,5 cm o in un muro di cartongesso. Le dimensioni di taglio sono quelle espresse nella tabella tecnica, la profondità minima è di 9 cm.  
Verificare a mezzo di una livella che il MHxx venga fissato in posizione orizzontale ed in modo complanare al muro o alla superficie di montaggio.