



emVIEW-15 series

15" Industrial Displays and Panel PC Systems based on ARM and X86 Technology



PRODUCT DESCRIPTION

emVIEW systems have a modular mechanical concept. They can be based on different emPC hardware depending on needed CPU performance. Because of always using the original emPC boards as CPU unit, the CPU part has the same features as their emPC pendants. Therefore, please take a look at the corresponding emPC data sheets for getting more detailed information about the CPU system.

emVIEW[®] = emPC[®] + Display

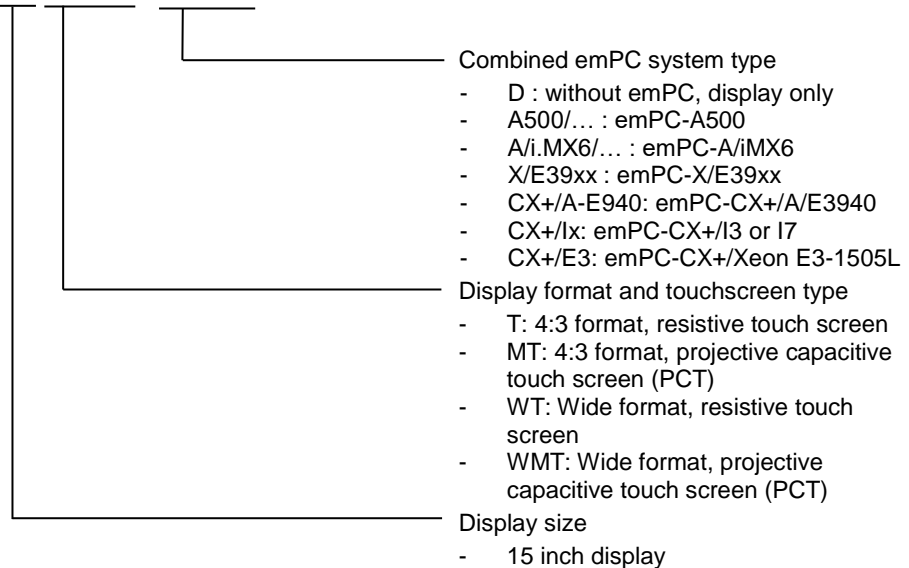
emVIEW systems have an 8 mm bend-proof aluminum front panel ensuring IP65 protection class

at front side. They are based on long-term available displays and electronic components. Custom configurations and designs are available upon request as well as function keys and control elements integrated in the front design.

Display types can be adapted to customer requirements such as special daylight conditions, other aspect ratios or displays which can be used under heavy environmental conditions such as extended temperature or heavy shock and vibration load.

PRODUCT KEY

emVIEW – 15 WMT / A500



FEATURES

LCD-Display	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
Size	15.0" XGA display	15.0" XGA display	15.6" wide screen HD display
Backlight technology	LED		
Resolution	1024 x 768	1024 x 768	1366 x 768
Colors	16.7 Mio		
Display mode	Normally white		
Viewing angle	160° horiz., 140° vert.		170° horiz., 160° vert.
Luminance	700 cd/m ² (typ.)	700 cd/m ² (typ.)	500 cd/m ² (typ.)
MTBF of backlight	50.000 h		
Tochscreen type	5-wire resistive touch screen		Capacitive touch screen

Power supply	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
Power supply	14 ... 32 V _{DC}		

Dimensions	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
Frame thinnckness	8 mm		
Frame Size	320.0 x 260.0 mm	320.0 x 260.0 mm	
Built-in depth			

Front Panel	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
Design	"Janz Tec" for default, customized front design possible		
Protection	IP65		

Environment	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
Ambient operating temperature	-20°C...70°C*		
Storage temperature	-20°C...80°C*		
Humidity	0...80 % @ 25°C (non-condensing)		

Interfaces	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
Ethernet	Up to 2 x GBit LAN	-	Up to 2 x GBit LAN
USB	Up to 4 x USB 3.0		
CAN	Up to 2 x 9 Pin D-SUB	-	Up to 2 x 9 Pin D-SUB
Serial	Up to 2 x 9 Pin D-SUB	-	Up to 2 x 9 Pin D-SUB

Software support	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
Supported operating systems	<ul style="list-style-type: none"> Windows CE 6, Windows Embedded Compact 7 Windows Embedded 	-	<ul style="list-style-type: none"> Windows CE 6, Windows Embedded Compact 7 Windows Embedded

	Standard 7, Windows 7, 10 <ul style="list-style-type: none"> • Linux • Other operating systems on request. 		Standard 7, Windows 7, 10 <ul style="list-style-type: none"> • Linux • Other operating systems on request.
CODESYS	<ul style="list-style-type: none"> • V2.3 and V3.5 Runtime Environment available, optionally pre-installed • Target Visualization • Web Visualization • SoftMotion 	-	<ul style="list-style-type: none"> • V2.3 and V3.5 Runtime Environment available, optionally pre-installed • Target Visualization • Web Visualization • SoftMotion

Hardware options

	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
Function Keys	capacitive or mechanical integrated in front		
Front design	Custom front foil design		Custom design for under-glass printing
Housing	IP65 front side and optionally IP67 protection for complete system		
Mounting	VESA		

COMBINABLE **emPC** SYSTEMS

emPC-A/iMX6



emVIEW-15 panel PCs can be based on emPC-A500 fanless embedded system with i.MX6 multi-core ARM CPU

emPC-A500



emVIEW-15 panel PCs can be based on emPC-A/iMX6 fanless embedded system based on i.MX515 single-core ARM CPU

emPC-X



emVIEW-15 panel PCs can be based on emPC-X fanless embedded PC system based on Intel ATOM CPU

emPC-CX+



emVIEW-15 panel PCs can be based on emPC-CX+ embedded PC system

Available CPU performance

	emVIEW-15T/...	emVIEW15T/D	emVIEW15WMT/...
<i>NXP i.MX515</i> <small>(ARM Cortex A8, 1 x 800 MHz)</small>	...A500	-	...A500
<i>NXP i.MX6Q</i> <small>(ARM Cortex A9, 4 x 800 MHz)</small>	...iMX6/Q	-	...iMX6/Q
<i>Intel Atom x5-E3940</i> <small>x86, 4 x 1.6 / 1.8 GHz</small>	...CX+/A/E3940	-	...CX+/A/E3940
<i>Intel Core i3-7102E</i> <small>x86, 2 x 2.1 GHz</small>	...CX+/i3-7102E	-	...CX+/i3-7102E
<i>Intel Core i5-7442EQ</i> <small>x86, 4 x 2.1 / 2.9 GHz</small>	...CX+/i3-7442EQ	-	...CX+/i3-7442EQ
<i>Intel Xeon E3-1505L V6</i> <small>x86, 4 x 2.2 / 3.0 GHz</small>	...CX+/E3-1505L	-	...CX+/E3-1505L