

» V Panel Express «



Industrial Panel PC

- » High performance with embedded processor Intel® Core™ i7
- » Ideal for running real time control and visualization simultaneously on one system or high-end rugged computing applications
- » Fanless cooling at maximum processor performance
- » Scalable display size: 12.1", 15", 17" and 19"

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The new V Panel Express line based on ETXexpress / COM Express technology offers supreme computing performance at low power consumption. The integrated innovative cooling concept realizes a passive and fanless cooling for highest processor performance up to Intel® Core™ i7 processor technology. This allows critical and highly complex realtime applications to run on one computer almost twice the performance. The V Panel Express is ideal for running real time control and visualization

simultaneously whereas previously these applications had to be run on two or more dedicated systems. With a variety of interface options the V Panel Express easily adapts to customer specific requirements. The V Panel Express series systems are COM-based systems, compact, high performance human machine interfaces for tough industrial demands. Optimal shock, vibration and temperature resistance, as well as resistance against environments with increased electro-magnetic interference are standard.

Technical Information	121	150	170	190
Display	12.1" TFT	15.0" TFT	17.0" TFT	19.0" TFT
Resolution	1.024 x 768	1024x768	1280x1024	1280x1024
Brightness (display)	500 cd/m ²	400 cd/m ²	350 cd/m ²	350 cd/m ²
Backlight	LED	LED	LED	LED
Touch Screen	Resistive analog	Resistive analog	Resistive analog	Resistive analog
Weight	ca. 7.9 kg	ca. 8.9 kg	ca. 10.8 kg	ca. 13.2 kg
Dimensions (HxWxD)	312x380x163 mm	354x450x163 mm	399x461x168 mm	426x516x165 mm
Processor	Intel® Core™ i7-2655 or Intel Celeron 827E			
RAM	Up to max. 8 GB DDR3			
I/O Standard	5x USB (1x front, 4x rear side), 1x LAN 10/100, 1x LAN 100/1000, 2x RS232, 1x DVI-I			
Free Slots	2x PCIe x1			
Internal Drives	1x Compact Flash, 2x SATA HDD/SSD			
Power Supply	24 VDC			
Cooling	Fanless			
EMC	US: FCC47 CFR PART15; Class A level CE: EN61000-6-2; EN55022/A (CISPR22)			
Certifications	CE, CUS			
Protection Class	IP65 front (NEMA 250 Type 12 and 13)			
Altitude	Operating: 10000 ft (3.048m); Storage: 15000 ft (4.622m)			
Shock DIN EN 60068-2-27	Operating: 15 g 11 ms duration / Storage: 30G, 11 ms duration (half-sinus)			
Vibration DIN EN 60068-2-6	Operating: 10-500 Hz: 1G/3 axis / Storage: 10-500 Hz: 2G/3 axis			
Temperature / Humidity	Operating: 0°C to +50° / 20 to 85% non condensing Storage: -20°C to +60° / 5 to 95% non condensing			
MTBF	> 40000 h (excluding the Backlight Tube)			
Verified OS	Windows 7, Windows XP, Linux (Embedded)			
RoHS compliant	Yes			

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