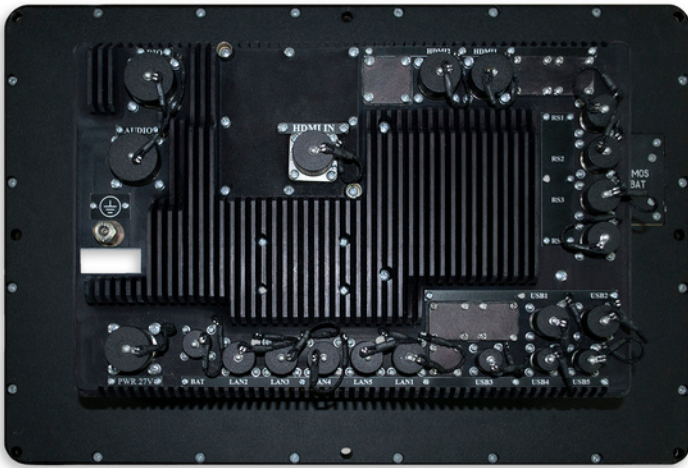


BM2431 (BM2432) electronic panel computer

APPOINTMENT:

BM2431 (BM2432) electronic panel computer is a special-purpose panel computer in a monoblock design with a touch screen and a USB compartment on the front panel, designed for use in information processing systems on stationary and mobile objects with harsh operating conditions.



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////// SPECIFICATIONS:

	BM2431	BM2432	BM2432.01
Calculating machine:			
- processor type	i3-i7, 4-11 generations		
- RAM	4-32 GB		
- SSD	32GB-1TB, 1(2) pcs.		
- video controller	integrated into the chipset		
- software compatibility	Windows, Linux		
Display			
- screen diagonal	15,6"	17,3"	24"
- resolution (pixels)	1920 × 1080	1920 × 1080	1920 × 1080
	protective glass	protective glass	Multi Touch Screen projected- capacitive
Interfaces			
	USB - 1-8 channels Ethernet 10/100/1000 - 1-5 channels RS-232/422/485 - 1-4 channels HDMI - 1-2 channels SVGA - 1 channel discrete input/output (with galvanic isolation of each channel) – 8 input channels, 8 output channels mic/line input line audio output (7+1) the ability to install a mini PCIe module		
Power supply			
- supply voltage	16–32 V (~230 V via voltage converter BME004)		
- power consumption	no more than 200 W		
Weight	7 kg	9,3 kg	12,5 kg
Dimensions	400 × 272 × 150 mm	460 × 304 × 150 mm	600 × 398 × 157 mm
Operating conditions			
- operating ambient temperature	– 40°C ... +50°C		
- limiting ambient temperature	– 45°C ... +70°C		
- interference	single - 100g, (1–5) ms; multiple - 15g, (5–10) ms		
- sinusoidal vibration	(5–500) Hz, 5g		
- atmospheric precipitation (intensity)	(5 ± 2) mm/min		
- static dust (concentration - circulation rate)	(5 ± 2) g/m ³ – (0,5–1) m/s		
- high air humidity	up to 98% at +35°C		
- atmosphere pressure	60...107 kPa		
- pitching and tilting	±45° (7 – 16) c long-term (without time and angle limit) slopes		
- salt fog	+		