

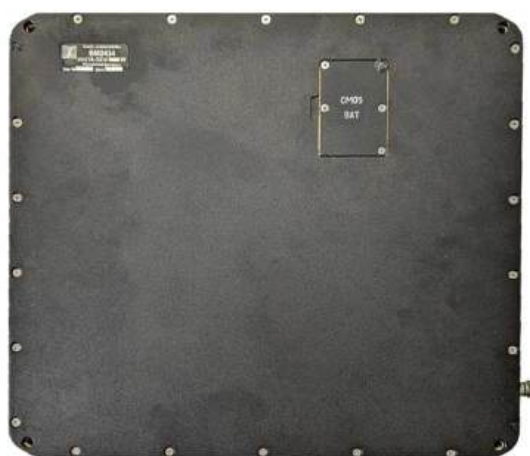
## BM2434 personal electronic computing machine

### APPOINTMENT:

BM2434 is a computer designed as a system unit with air (fanless) cooling. Designed for installation in various vehicles. Maintains performance under the influence of precipitation, high humidity, high (low) atmospheric pressure, solar radiation, static and dynamic dust in a wide temperature range (from minus 40°C to plus 60°C).

The product is operable when exposed to sinusoidal vibration (amplitude up to 5g), single (up to 100g) and multiple (up to 15g) impacts, rocking, salt fog, mold fungi and other external factors.

It can be placed in industrial shops, under the influence of aggressive environments.



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## /////// SPECIFICATIONS:

Calculating machine:	
- processor type	Intel Core i5-8365UE
- RAM	8 Gb
- SSD	256 Gb – 1 Tb, 1 pcs.
- video controller	integrated into the chipset
- software compatibility	Windows, Linux
Interfaces	
	USB – 2 channels
	Ethernet 10/100/1000 – 5 channels
	RS-232/422/485 – 5 channels
	HDMI – 1 channel
	discrete input/output (with galvanic isolation of each channel – 8 input channels, 8 output channels)
Power supply	
supply voltage	16–32 V (~230 V via voltage converter BME004)
power consumption	no more than 200 W
Weight	8,3 kg
Dimensions	323 × 238 × 82 mm
Operating conditions	
- operating ambient temperature	– 50°C ... +55°C
- limiting ambient temperature	– 65°C ... +70°C
- interference	single – 75g, (1–5) ms; multiple – 15g, (5–15) ms
- sinusoidal vibration	(5–500) Hz, 5g
- high air humidity	up to 100% at +35°C
- atmospheric precipitation (intensity)	(5 ± 2) mm/min
- static dust (concentration – circulation rate)	(5 ± 2) g/m <sup>3</sup> – (0,5–1) m/s
- atmosphere pressure	60...107 kPa
- pitching and tilting	±45° (7 – 16) s
	long-term (without time and angle limit) slopes
- salt fog	+