

# BM2441 specialized electronic computing machine

## APPOINTMENT:

The BM2441 computer is designed as a system unit with air (fanless) cooling. Designed for installation in various vehicles.

The product remains operational 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 50°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.

BM2441 can be placed in industrial workshops exposed to aggressive environments.



Republic of Belarus  
 220040, Minsk  
 Bogdanovicha str., 155  
 +375(17)334-47-42  
 orion@nievm.by  
 www.nievm.by

## /////// SPECIFICATIONS:

### Calculating machine:

- processor type	i3-i7, 4th-11th generations
- RAM	4-64 GB
- SSD	32GB - 1TB, 1(2) pcs.
- video controller	integrated into the chipset or discrete (MXM)
- software compatibility	Windows, Linux

### Interfaces

USB – 1-8 channels  
Ethernet 10/100/1000 – 1 channel  
RS-232/422/485 – 1-6 channels  
HDMI – 1-3 channels  
SVGA – 1 channel  
mic/line input  
audio line out and/or via power amplifier  
possibility to install 2 mini PCIe modules

### Power supply

- supply voltage	16–32 B (~ 230 V via voltage converter BME004)
- power consumption	no more than 200 W
- possibility to connect an external battery	

### Weight

9 kg

### Dimensions

405 × 301 × 75 mm

### Operating conditions

- operating ambient temperature	– 40°C ... +50°C
- limiting ambient temperature	– 50°C ... +60°C
- interference	single – 100g, (1–5) ms; multiple – 15g, (5–10) ms
- sinusoidal vibration	(5–500) Hz, 5g
- atmospheric precipitation (intensity)	(5 ± 2) mm/minute
- static dust (concentration - circulation rate)	(5 ± 2) g/m <sup>3</sup> – (0,5–2) m/s
- high air humidity	up to 100% at +35°C
- atmosphere pressure	60...107 kPa
- pitching and tilting	±45° (7 – 16) s long-term 15° (5 min) and short-term 30° (3 min)
- salt fog	+