

BM2015.M2(M3) personal electronic computing machine

APPOINTMENT:

BM2015.M2(M3) is a full-featured personal ECM with liquid crystal screen of 15 inches. The PECM is intended for use in data processing systems where it is required to provide fetch protection for PECM data and resources and prevention of data leakage due to side electromagnetic radiation and interference (TEMPEST). Structurally the PECM is a security article, the case of which is made of aluminum alloy.

The PC is made in the form of a laptop and is a protected product, the body of which is made of an aluminum alloy. This design allows the product to be used in harsh 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, 4-11 generations
- RAM	4-64 GB
- SSD	32GB-1TB, 1(2) pcs.
- video controller	integrated into the chipset or discrete (MXM)
- software compatibility	Windows, Linux
Display	
	LCD with protective anti-reflective glass
- screen diagonal	BM2015.M2 - 15,6", BM2015.M3 - 17,3"
- resolution (pixels)	1920 × 1080
- automatic LCD brightness adjustment	depending on external lighting
Interfaces	
	USB - 1-8 channels
	Ethernet 10/100/1000 – 1 channel
	LPT – 1 channel
	RS-232/422/485, 1-6 channels
	HDMI video output - 1-3 channels
	SVGA video output - 1 channel
	mic/line input
	audio output (line and/or via power amplifier)
	possibility to install 2 mini PCI modules
Embedded devices	
- optical drive	CD/DVD-RW
- stereo sound	2×3 W
- camcorder	from 2 MP
Power supply	
- supply voltage	16–32 V (~ 230 V via voltage converter BME004)
- built-in battery	18 Ah, 1(2) pcs.
- power consumption	no more than 200 W
- time of continuous operation from the battery under normal conditions	at least 10 hours when using two batteries
Weight	BM2015.M2: 10 kg (8.4 kg without battery); BM2015.M3: 12 kg (9.9 kg without battery)
Dimensions	BM2015.M2: 397 × 323 × 87 mm; BM2015.M3: 458 × 331 × 87 mm
Operating conditions	
- operating ambient temperature	– 40°C ... +60°C (-20°C when running on battery)
- limiting ambient temperature	– 45°C ... +70°C
- interference	single - 100g, (1–5) ms; multiple - 15g, (5–10) ms
- sinusoidal vibration	(1–80) Hz, 4g
- atmospheric precipitation (intensity)	(5 ± 2) mm/min
- static dust (concentration - circulation rate)	(2 ± 1) g/m ³ – (0,5 ... 1) 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	+