

# BM2453.01 (BM2453.02) personal tablet computer

## APPOINTMENT:

BM2453.01 (BM2453.02) is a portable computer designed as a tablet. Designed for operation in the field 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 can be used as a universal calculator installed in various vehicles.

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.

The tablet can be placed in industrial shops, exposed to aggressive environments.



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## //// //// //// //// //// //// //// SPECIFICATIONS:

<b>Calculating machine:</b>	
- processor type	i3-i7, 4-11 generations
- RAM	4-32 GB
- SSD	32GB-1TB
- video controller	integrated into the chipset
- software compatibility	Windows, Linux
<b>Display</b>	
- screen diagonal	10,1"
- resolution (pixels)	1280 × 800
- Multi Touch	projected-capacitive
- automatic LCD brightness adjustment	depending on external lighting
<b>Interfaces</b>	
	USB - 1-4 channels
	Ethernet 10/100/1000 - 1 channel
	RS-232/422/485, 1-4 channels
	mic/line input
	audio output (stereo)
	the ability to install up to 3 modules M.2 (NGFF)
<b>Embedded devices</b>	
- optical drive	NAVSTAR/GLONASS/GALILEO
- stereo sound	2×3 W
- camcorder	from 2 MP
<b>Power supply</b>	
- supply voltage	16–32 V (~ 230 V via voltage converter BME008)
- built-in battery	10 A час
- power consumption	no more than 100 W
- time of continuous operation from the battery under normal conditions	at least 5 hours
<b>Weight</b>	4,5 kg
<b>Dimensions</b>	290 × 208 × 58 mm
<b>Operating conditions</b>	
- operating ambient temperature	– 40°C ... +50°C ( –20°C when running on battery)
- limiting ambient temperature	– 40°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/min
- static dust (concentration - circulation rate)	(5 ± 2) g/m <sup>3</sup> – (0,5–1) m/s
- high air humidity	up to 100% at +35°C
- atmosphere pressure	60...107 kPa