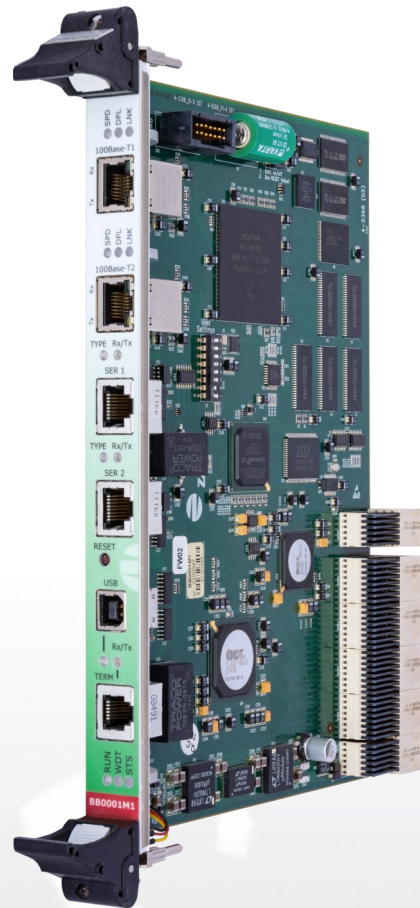


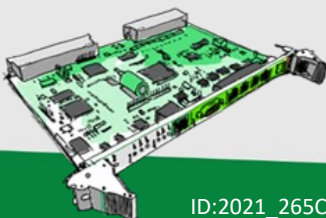
Microcomputer board BB0001M1 of Control System SandRA Z200 line

The **BB0001M1 microcomputer board** belongs to the **SandRA Z200** process station, which is intended primarily for the traditional energy and industrial sectors. **ZAT** products excel in their **safety and reliability** and are the result of our more than **fifty years** of operation in the automation industry.

Board BB0001M1 is the basic user-programmable unit of the **Z200**. It is connected to other boards in the rack, which serve as an I/O interface, via the **Serial Rapid IO** serial bus. The board is equipped with a **Freescale PowerQUICC II MPC8270** processor with a frequency of **450MHz** and **128MB** of **Flash** memory for storing the operating system and user data. The status of the board and its processes is displayed using a **diagnostic LED** on the front panel. This board has been replaced by the **BB0001M2** board and is fully compatible with it.



- Designed for 19" rack
- Board dimensions 162 x 233 mm
- USB interface
- Ethernet interface
- Galvanically separated outputs interface from the system
- TERM serial interface
- Design and circuit design allows Hot Swap function



Mechanical parameters and weight

| Parameter | Conditions | Min. | Type | Max. | Units |
|-------------------------------------|------------|------|---------|------|-------|
| Board dimensions | | | 160x233 | | mm |
| Front panel dimensions ¹ | | | 4TEx6HE | | |
| Weight | | | 400 | | g |

¹ intended for 19" rack

Electrical parameters

| Parameter | Conditions | Min. | Type | Max. | Units |
|---------------------|---|------|------|---------|--------|
| Power voltage | | 21 | 24 | 26 | V |
| Consumption | | | 500 | 700 | mA |
| Electrical strength | Communication channel- STERM (RS-232), USB, SER1, SER2 (RS-232/422/485), 100BASE- TX | 700 | | | V DC |
| Baud rate | TERM (RS-232), | | | 1152000 | Bd |
| | SER1, SER2 (RS-232/422/485), | | | 1152000 | Bd |
| | USB | | | 12 | MBit/s |
| | 100BASE-TX | | | 100 | MBit/s |

This document contains the product BB0001M1 and BB0001M2 and follows the document "Z200 Technical conditions" No. 4-5397 constituting its integral part.

