Microcomputer board BB0001M2

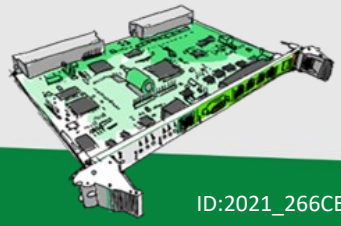
Safe and reliable automation

Microcomputer board BB0001M2 of Control System SandRA Z200 line

The **BB0001M2 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.

The **BB0001M2 board** is the basic user-programmable unit of the **Z200** file and replaces the design variant BB0001M1, with which it is fully backward compatible. It is connected to other boards in the rack, which serve as an I/O interface, via the **Serial Rapid IO** serial bus. The BB0001M2 design variant increases the **4x throughput** of the Serial Rapid IO serial bus and thus enables **faster** control tasks. 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.

- **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] designed for 19“ rack

Electrical parameters

Parameter	Conditions	Min.	Type	Max.	Units
Power voltage		21	24	26	V
Consumption			500	700	mA
Electrical strength	Communication channels TERM (RS-232), USB,SER1, SER2 (RS-232/422/485), 100BASE-TX	700			V DC
Baud rate	TERM (RS-232), SER1, SER2 (RS-232/422/485),USB100BASE-TX			1152000 1152000 12 100	Bd Bd MBit/s MBit/s

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