

The BB0015B1 board represents the interface of the system for digital signals. It is intended to connect 64 logic inputs via the Serial RapidIO bus to the control board of the Z200 family. Its construction and circuit design allow the board to be safely inserted and removed from the live backplane (Hot Swap function).



Electrical Parameters					
Parameter	Conditions	Min.	Stand.	Max.	Units
Number of inputs			64		
Logic levels					
log. H		11	24	30	V
log. L			0	5	V
Asynchronous counter				250	Hz
Temperature coefficient of threshold level			0.3		%/°C
Input current	$U_{in} = 24\text{ V}$ $U_{in} = 30\text{ V}$		3,2	4	mA
Input time constant		1		1000	ms
Dielectric strenght					
Input / System		700			V DC
Power supply		21	24	26	V
Consumption			180	350	mA

- Connection of 64 logic inputs
- Possibility to set up time constant of inputs, 1ms ÷ 1000ms
- Galvanic isolation of inputs from the system, the inputs are isolated by 8 inputs in a group
- Displaying digital input states and correct function on the board front panel
- Asynchronous counter mode
- Archives of input signals