

- Processor PowerQUICC II MPC8270 (core PowerPC 603E™ with integrated modules FPU, CPM, PCI and store controller) at frequency 450MHz
- 16kB data cache, 16kB instruction cache
- 128MB memory SDRAM with ECC support
- 128MB memory FLASH
- 2MB back-up memory SRAM
- Slot for SD card
- Backed-up circuit RTC
- 3 channels serial interface + terminal
- USB interface
- 3 channels Fast Ethernet 100BASE-TX
- Galvanic separation of communication interfaces from the system
- Assembly of the module onto the DIN bar



**UC0005A1**

Module UC0005A1 is a basic user programmable unit of the set Z210. It enables to connect external equipment by means of serial channels, Ethernet interface. Construction and circuit design enable separate installation of the module onto the DIN bar.

Mechanical parameters and weight					
Parameter	Condition	Min.	Type	Max.	Units
Module demensions (HxWxT)			128,5x167x62		mm
Board demensions (HxW)			110x158		mm
Weight			620		g

Serial interface					
Parameter	Conditions	Min.	Type	Max.	Units
Number of channels			3		ks
Communications rate		150		115200	Baud
Number of bits			5,6,7,8		
Number of bit tracks			1, 1 1/2, 2		
Parity	Programmatically adjustable		any, even, odd, mark,space		
Flow control			any, Xon/Xoff, RTS/CTS		
Physical interface			RS232, RS422, RS485		
Ending of line			5k (RS232) 120 (RS422/RS458)		Ω
Electric strength			700		V DC

Fast Ethernet 100BASE-TX					
Parameter	Conditions	Min.	Type	Max.	Units
Number of channels			3		ks
Transmission rate				100	Mbit/S
Dielectric strength			700		V DC

USB and terminal					
Parameter	Conditions	Min.	Type	Max.	Units
Transmission rate	TERM (RS-232)			115200	Bd
Transmission rate	USB			12	Mbit/s
Electric strength			700		V DC

Power supply and consumption					
Parameter	Conditions	Min.	Type	Max.	Units
Supply voltage		21	24	26	V
Consumption		0,12	0,2		A

**Z210**