RTU560

Product Data Sheet

1KGT012700R0002 560CMU05

Communication processing unit

MAIN PROCESSOR	PROCESSOR FREQUENCY	MAIN RAM	COMPACTFLASH REFERENCE CAPACITY
AMD ELAN520, Intel 586-class 32-bit CPU	**133 MHz**	**64 MB**	**128 MB**

ABB 1KGT012700R0002 560CMU05 is the R0002 communication processing unit for the RTU560 platform. It manages I/O communication, exchanges process data and commands with supervisory systems, and maintains the station time base through the configured communication paths.

01 VERIFIED TECHNICAL DATA

Main processor	AMD ELAN520, Intel 586-class 32-bit CPU
Processor frequency	133 MHz
Main RAM	64 MB
CompactFlash reference capacity	128 MB
Serial-line controller	80C251
Serial-line-controller RAM	32 kB
Dual-ported RAM	16 kB
Serial communication ports	4: CP1, CP2, CPA and CPB
Serial electrical standards	Configurable RS-232C or RS-485
Ethernet communication ports	2 RJ45, 10/100Base-T

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Serial connectors	8-pole RJ45
Backplane supply demand	5 V DC, 1060 mA
Rack connector	48-pole Type F, DIN 41612
Protocol-processing selection	UART and non-UART character protocols, R0002
Rack occupancy	2 slots, 8R front panel

03 DOCUMENTED USE SETTINGS

Public Electricity Supply and Industrial Power Distribution: Urban Electricity Distribution.

Municipal Water Supply and Industrial Wastewater Treatment: Drinking Water Treatment.

Regional Electricity Networks and Interconnected Power Systems: Interregional Power Transmission.

04 SYSTEM COMPATIBILITY

Allocate two rack slots and verify the 5 V backplane supply budget of 1060 mA for the CMU. The main processor handles supervisory communication and time management, while the serial-line controller serves the RTU peripheral-bus tasks.

05 PRODUCT EVIDENCE

ABB 560CMU05 R0002 Data Sheet 1KGT150619 V003/V004 and RTU500 modules reference

AMIKON PRODUCT SUPPORT

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