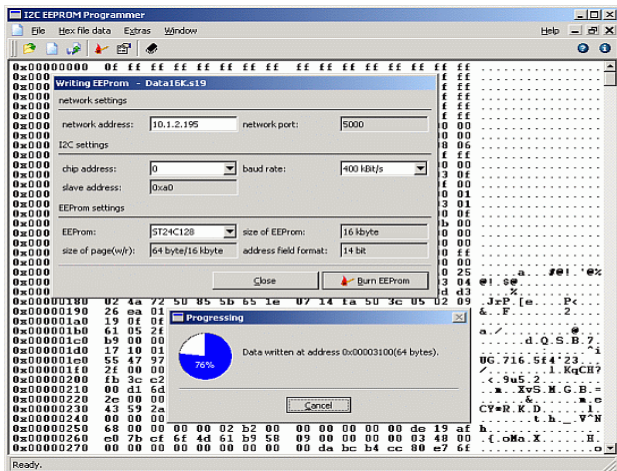# I2C EEPROM Programmer

I²C EEPROM Programmer

Product overview

The I2C EEPROM Programmer is a professional utitliy designed for programming serial I²C devices very fast.

The I2C EEPROM Programmer uses a standard AnaGate I²C for communication with the I²C bus, an additional device driver software for the personal computer is not necessary. As many as desired programming devices can be operated at the same time by a single PC.

The programmer device is designed for development and serial production. It is particularly suitable for programming serial

EEPROMs via the I2C bus, whereby the EEPROM can be addressed either on the finished application board or as an independent device.

Programmer features

- Automatically checks the programmed data (verification)

- I2C baud rate: 50, 100, 200 and 400 kbps

- EEPROM types: 24C01, 24C02,24C04, 24C08, 24C16, 24C32, 24C64, 24C128, 24C256, 24C512, 24xx1025.

- Provides 3,3V or 5V for supply of device or circuit board (max. 100mA).

- Supported hex data formats: Intel Hex ASCII, Motorola S-Record and raw binary

- The programming functionality can be easily integrated in individual applications via a supplied DLL or via batch processing calls.

- Operating systems: Windows 7/XP/2003 (Linux version available upon request)

Not supported devices are added free of charge upon your request.

Programming speed

The following speeds were achieved at a baud rate of 400 kbps when programming various EEPROM types, followed by verification of the programmed data.

EEPROM type	Size	Page size	Programming	Verification	Total
AT24C32A-2.7	4 KByte	32 Byte	0,49 secs	0,16 secs	0,65 secs
AT24C128-2.7	16 KByte	64 Byte	1,20 secs	0,53 secs	1,73 secs
AT24C256-2.7	32 KByte	64 Byte	2,39 secs	1,03 secs	3,42 secs
AT24C512-2.7	64 KByte	128 Byte	3,70 secs	2,03 secs	5,73 secs

A conventional personal computer (Intel Pentium IV, 2.8 GHz, 512 MB RAM running Windows 2000) was used for taking the readings.

Technical specifications

Measurements:	L x W x H	155 mm x 105 mm x 40 mm
	Weight	ca. 250 g
Power supply	Input voltage	9 ..28 V DC or via power supply (EU, UK, US)
I²C Bus:	Baud rate	50, 100, 200, 400 kbps, software configuration
	High-Level SCL/SCA	2,7—5,0 V
	System mode	Single and multi-master mode
	Interface	1x DB9 plug incl. SCL, SDA, GND, 3.3V and 5V
LAN Interface:	Baud rate	10/100 Mbps
	TCP/IP	Static or dynamic (DHCP) IP address
	Interface	RJ45 socket
Digital IO:	Inputs	4, galvanic decoupled
	Outputs	4, galvanic decoupled (max. 5mA)
Software:	The programming of I²C devices can be done also using standard programming language (e.g. VB, C/C++, Delphi) with a DLL supplied with the device. I2C EEPROM Programmer for Windows 7/XP/2003. Linux support is available upon request.	

Ordering information

Order number	Scope of delivery
PR-I2C-HW-XX	I2C EEPROM Programmer for Windows 7/XP/2003 including AnaGate I²C, CD-Rom with manual, Software-API as a DLL for Windows 7/XP/2003,
	XX = EU: plug-in power supply for Europe (230V/50Hz) XX = US: plug-in power supply for USA (110V/60Hz) XX = UK: plug-in power supply for United Kingdom (230V/50Hz) XX = WO: no power supply, incl. 2-pin connector cable for 8-28V DC
GT-I2C-AH	Adapter for mounting on DIN rails