



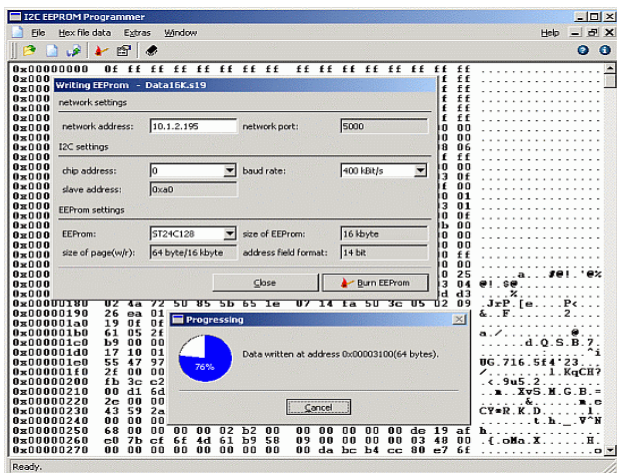
I2C EEPROM Programmer

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Product overview

The I2C EEPROM Programmer is a professional utility 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.



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 2000/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 | 8 ..28 V DC or via power supply (EU, UK, US) |
| I ² C 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 I ² C 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 2000/XP/2003. Linux support is available upon request. | |

Ordering information

| Order number | Scope of delivery |
|--------------|---|
| PR-I2C-HW-XX | I2C EEPROM Programmer for Windows 2000/XP/2003 including AnaGate I ² C, CD-Rom with manual, Software-API as a DLL for Windows 2000/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 |