



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. As many as desired programming devices can be operated at the same time by a single PC.

Eile	PROM Programme Hex file data Ext		:[미 : 또
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0000	00000 Of ff	11 11 11 11 11 11 11 11 11 11 11 11 11	
2000	Writing EEProm	Data16K.s19 f ff	
x000	network settings	t tt	
2000 2000			
1000	network address:	10.1.2.195 network port: 5000 10 00	
x000		0 00	
c000 c000	I2C settings	8 06 f ff	
1000	chip address:	10 100 rate: 1400 rates 13 0f	
×000	slave address:	0xa0	
2000 2000		0 01	
0000	EEProm settings	in of	
000		b 00	
x000	EEProm:	ST24C128 visze of EEProm: 16 kbyte 0 00	
	size of page(w/r):	6+ byte/16 kbyte address field format: 14 bit 0 ff	
000		10 00	
x000		0 25	ase!.'e%
x000		Glose Burn EEProm 3 04	e1.se
COO0	U180 U2 4a	72 50 85 55 65 1e 07 14 ta 50 3c 05 02 09	.JrP.[eP<
	00190 26 ea		& F
	001a0 19 Of	Of Progressing	
	001b0 61 09 001c0 b9 00		a./d.0.S.B.7.
	001d0 17 10	Data written at address 0x00003100(64 bytes).	·····
	001e0 55 47	97 76%	UG.716.5f4'23
	001f0 2f 00	00	/
	00200 fb 3c		.<.9u5.2
	00210 00 d1 00220 2c 00	6d	
	00230 43 59		CY=R.K.D1.
	00240 00 00	00	t.hV^N
	00250 68 00 00260 c0 71	00 00 00 02 b2 00 00 00 00 00 00 de 19 af cf 6f 4d 61 b9 58 09 00 00 00 00 03 48 00	h. f.oMa.X. H.
	00260 e0 71 00270 00 00		.{.oMa.XH.

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	l 6 KByte	64 Byte	I,20 secs	0,53 secs	I,73 secs
AT24C256-2.7	32 KByte	64 Byte	2,39 secs	1,03 secs	3,42 secs
AT24C512-2.7	64 KByte	l 28 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.

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Measurements:	L x W x H	155 mm x 105 mm x 40 mm		
	Weight	ca. 250 g		
Power supply	Input voltage	928 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	Ix 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:		C devices can be done also using standard programming Delphi) with a DLL supplied with the device.		
	I2C EEPROM Programme	I2C EEPROM Programmer for Windows 7/XP/2003.		
	Linux support is available	upon request.		

Technical specifications

Ordering information

Order number	Scope of delivery		
PR-I2C-HW-XX	I2C EEPROM Programmer for Windows 7/XP/2003 including AnaGate I ² C, 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		