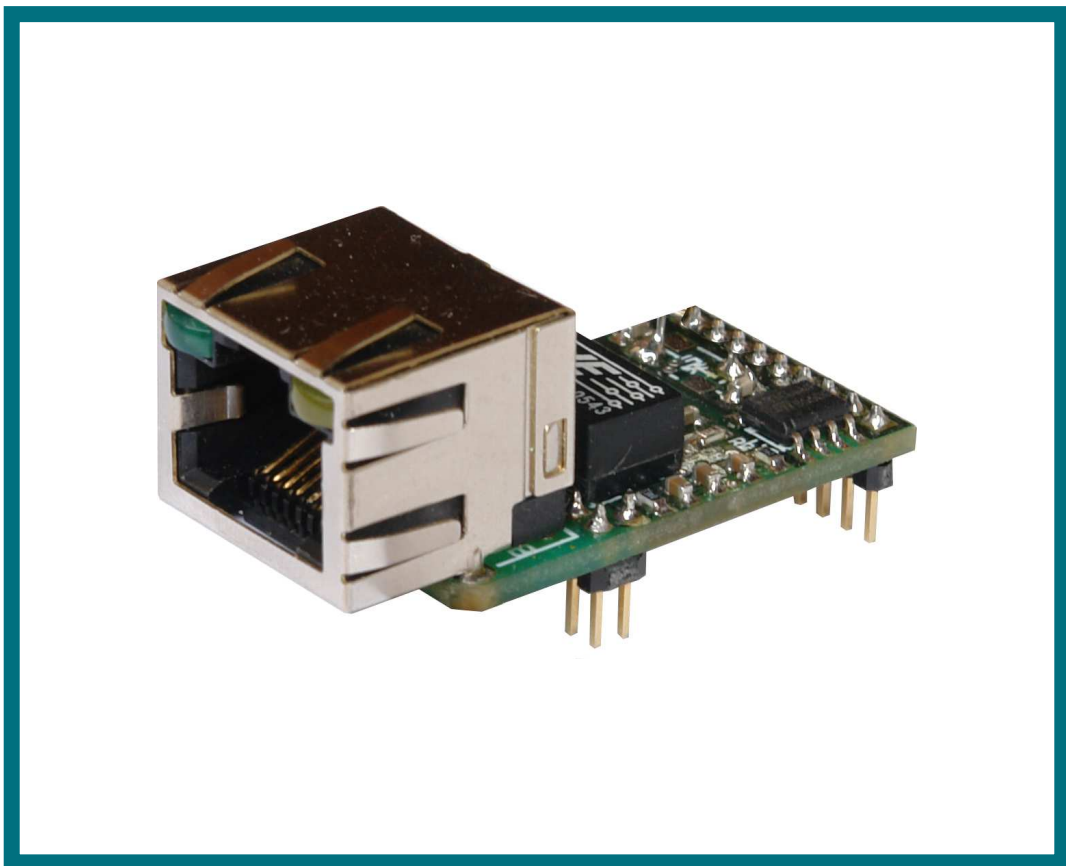




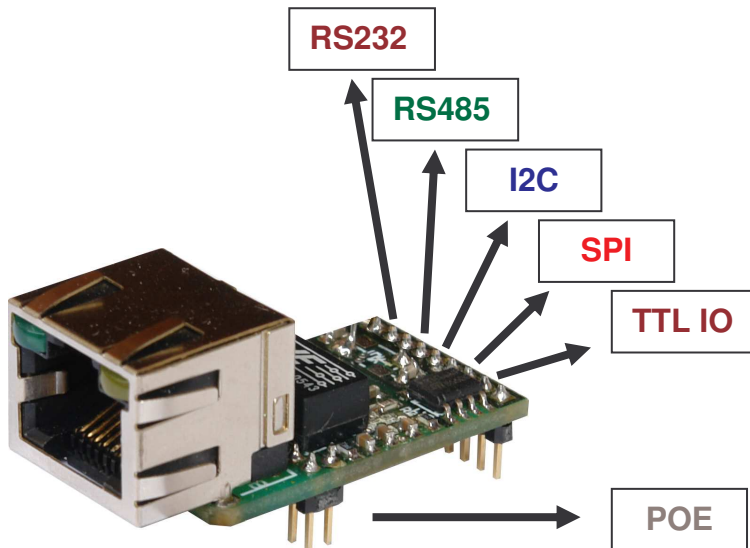
XT - NANO



XT-NANO

The XT-Nano module is the latest network interface of our range of embedded products. With its extremely little dimensions of only **20 x 32mm** it is particularly appropriate to be integrated in very small terminals. With a total of four switchable BUS systems, such as **RS232, RS485, I2C, SPI** as well as **TTL-IO** it fulfills all customer requirements. Even a **POE** (Power over Ethernet) supply is available, since all required connections are carried out.

Hardware description



Supported systems

1. Microsoft Windows Vista
2. Microsoft Windows 2003
3. Microsoft Windows 2000
4. Microsoft Windows XP
5. Microsoft Windows NT 4.0
6. Microsoft Windows ME
7. Microsoft Windows 98
8. Microsoft W95
9. Linux
10. UNIX

Unterstützte Protokolle

1. IP
2. TCP
3. UDP
4. FTP
5. ICMP
6. ARP
7. SNMP
8. DHCP
9. BOOTP
10. DNS
11. DDNS
12. TELNET
13. HTML
14. http
15. DYNDNS

Technical data

- **Temperature range:**
+0°C .. + 70°C
- **Humidity class:**
F nach DIN 40040
- **EMV:**
Radio interference and immunity to interference
- **Power supply:**
3.3 Volt
100Mbit. 300 mA
10Mbit 180 mA
- **POE**
Power – Over – Ethernet
- **Dimensions :**
20mm x 32 mm
- **Interface**
 - RS232 / RS485**
Baudrate : 300-115200 Baud
DataBits : 7,8
Parity : Odd,Even,None
Mark,Space
Signale : TXD, RXD, RTS,
CTS, DSR, DTR,
DCD, GND
 - I2C**
Datarate : up to 1,2MHz
 - SPI**
Datarate : up to 12.5MHz
 - TTL-IO**
6 Pin for digital Input/Output
- **Ethernet**
10 Half Duplex
10 Full Duplex
100 Half Duplex
100 Full Duplex
AutoSensing

Functions

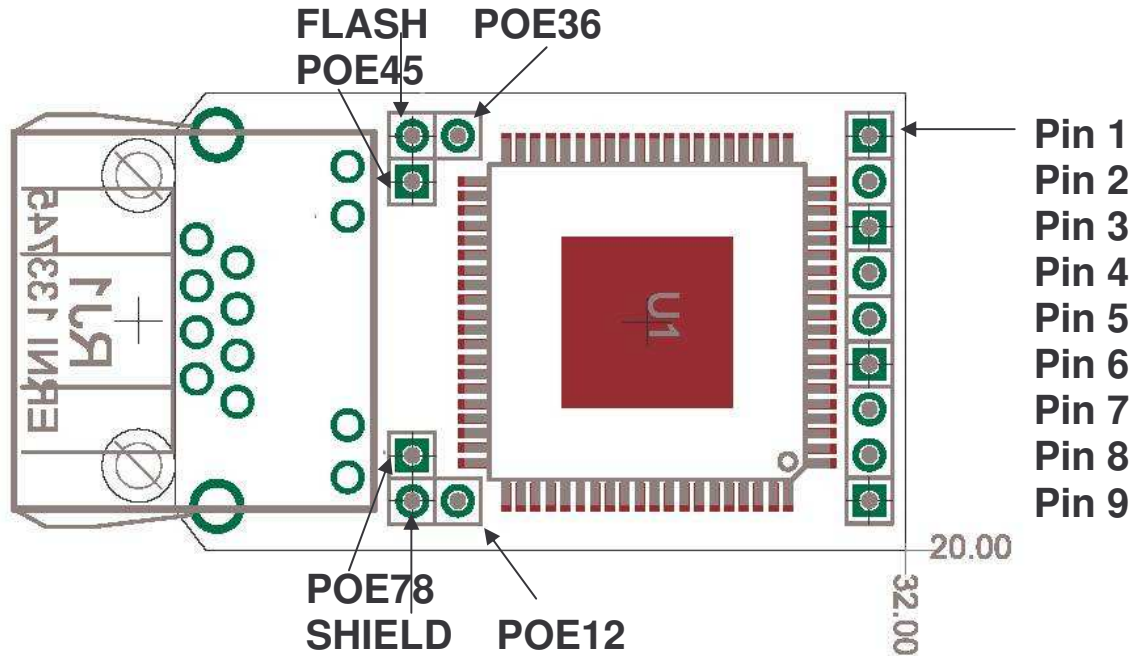
- **AK-Software**
 1. AK-XTADMIN
- **Management and Software configuration**
 1. Telnet
 2. Browser
 3. serial interface

Supported Emulations / Features

Modem Emulation
PAD Emulation
ConnectOnData
DYNDNS
UDP-Keep-Alive
I2C – MASTER - MODE
SPI - MASTER – MODE
TTL - IO

PIN - description

Bottom View



PIN	RS232		RS485		I2C		SPI	
1	RXD	←	RXD	←			MOSI	→
2	TXD	→	TXD	→			MISO	←
3	DSR	←					SCK	→
4	DTR	→	RW	→			SS\	→
5	RTS	→			SCL	→		
6	CTS	←			SDA	← →		
7	Reset\	←	Reset\	←	Reset\	←	Reset\	←
8	+3.3Volt	←	+3.3Volt	←	+3.3Volt	←	+3.3Volt	←
9	Ground	←	Ground	←	Ground	←	Ground	←
POE12		→	Connect to middle of PIN 1 and PIN 2 (RJ45)					
Shield		→	Connect to RJ45 → Shield					
POE78		→	Connect to RJ45 → PIN 7 and PIN 8					
POE45		→	Connect to RJ45 → PIN 4 and PIN 5					
Flash			Don't use					
POE36		→	Connect to middle of PIN 3 and PIN 6 (RJ45)					

→ OUT
← IN

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