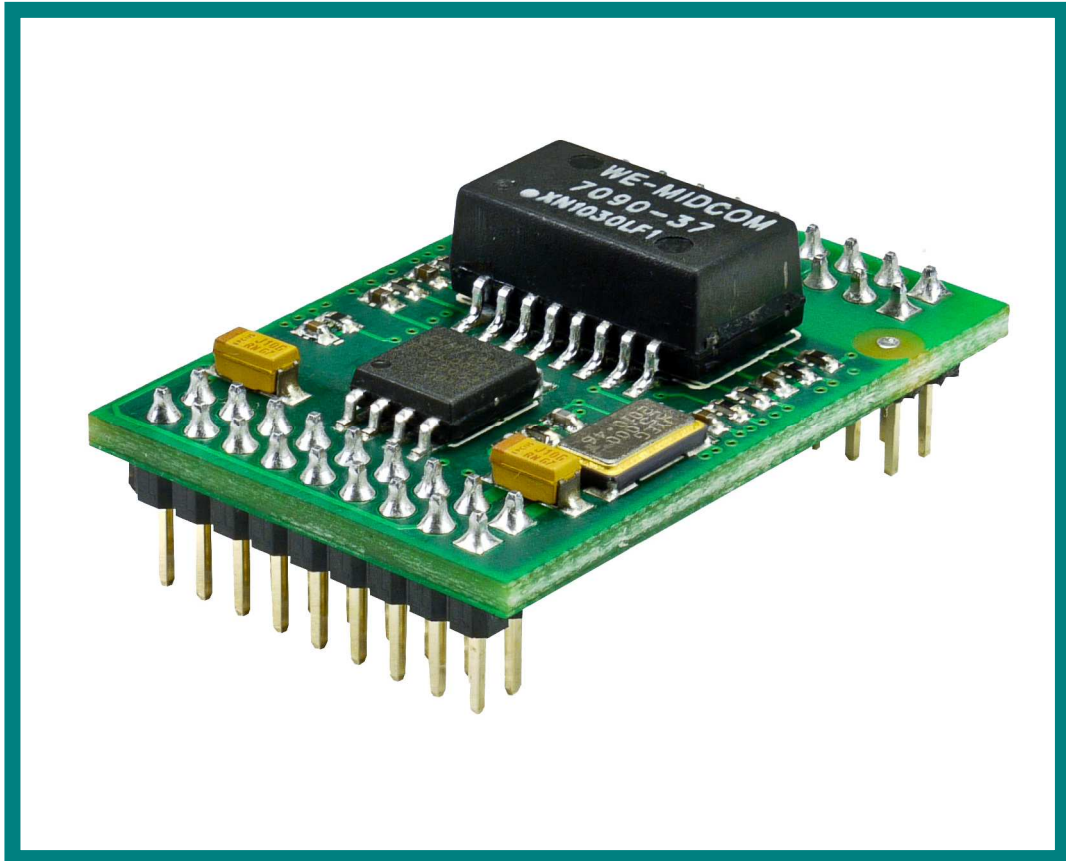




XT-PICO-USB



XT-PICO-USB Embedded - Module

The XT-PICO-USB module is an embedded installation solution and can be directly connected to a microcontroller, hub controller or an USB - Jack via the USB interface. In this way, it is possible to access them anywhere and they can be used by several PCs. It is possible to integrate and control USB devices, such as faxes, cameras, scanners, web cams, printers, hard disks, sign pads, barcode readers, RFID readers, USB sticks, measurement devices, sensors and industrial machines with a USB connection, etc. in a network. A driver is installed on the PC which makes you available these USB devices as usual via a virtual USB interface.

Hardware description



Supported systems

1. Windows 7
2. Windows Vista
3. Windows XP
4. Windows 7 64Bit
5. Windows Vista 64Bit
6. Windows XP 64Bit

Supported protocols

1. IP
2. TCP
3. UDP
4. ICMP
5. ARP
6. LPR
7. DHCP
8. BOOTP
9. HTML
10. HTTP

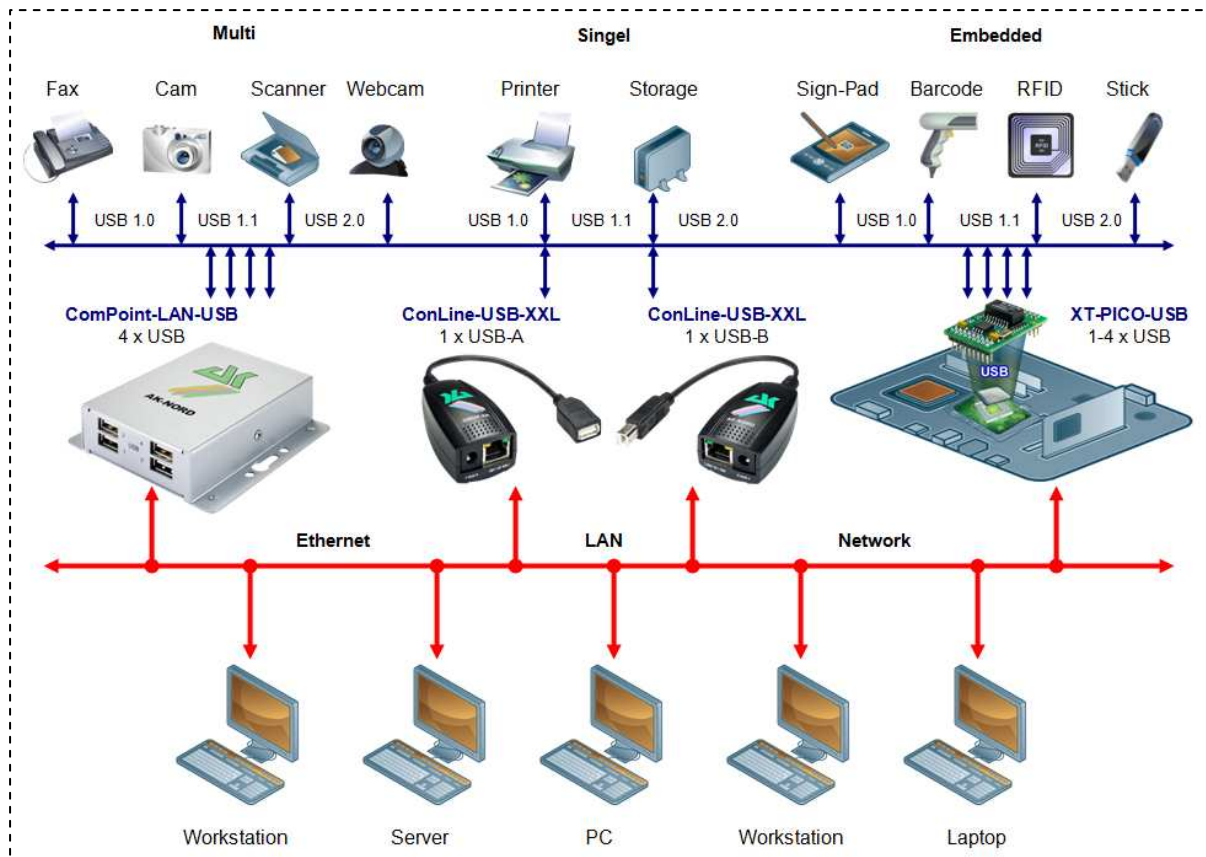
Technical data

- **Temperature range:**
from -10°C to +70°C
- **EMC / CE:**
Radio interference and
interference immunity
DIN EN 55022 Class B
DIN EN 55024 Class A
- **Power supply:**
1.8 Volts / 120 mA
3.3 Volts / 110 mA

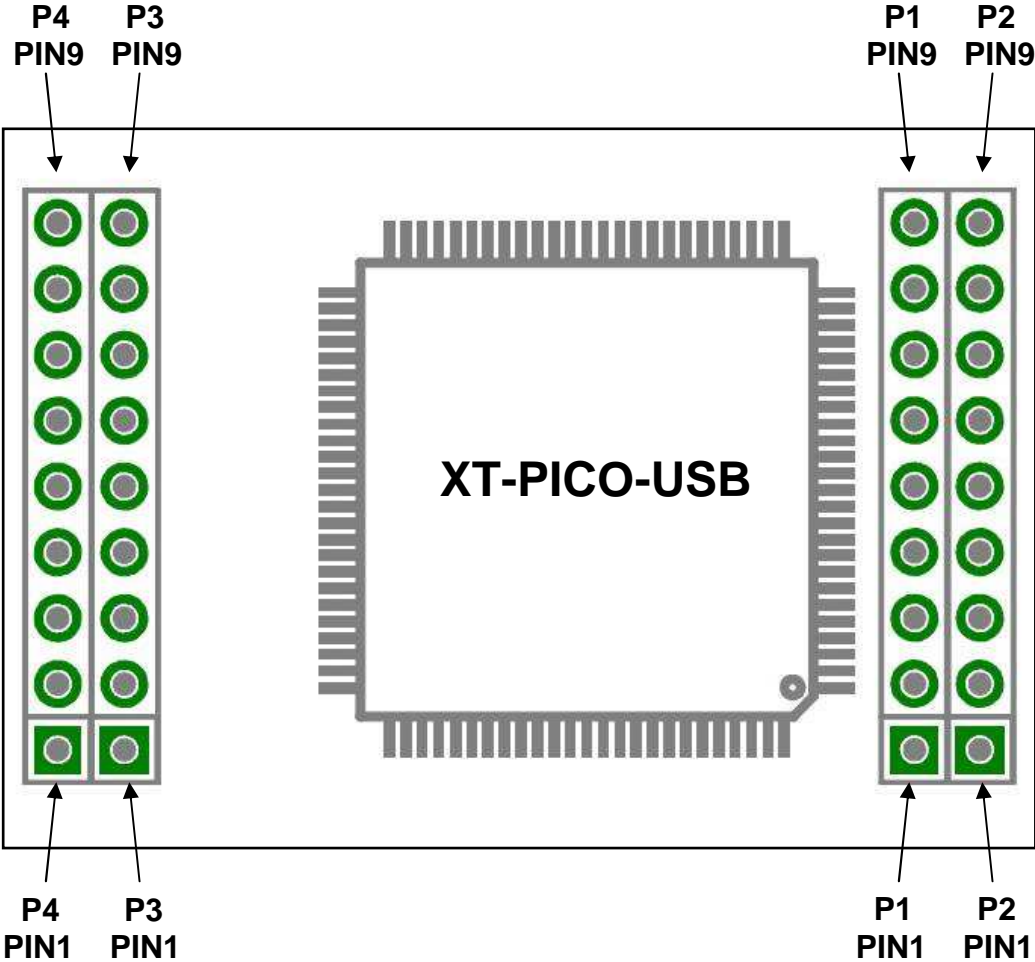
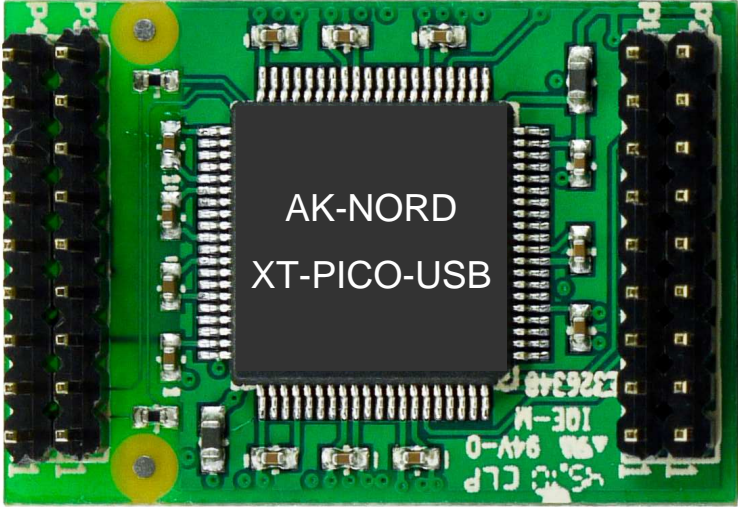
PoE (pins are executed)
- **Dimensions:**
32 mm x 22 mm
- **USB**
with HUP up to 4 devices
USB2.0
USB1.1 compatible
Up to 10MByte data throughput
- **Ethernet (MDIX)**
10 Half Duplex
10 Full Duplex
100 Half Duplex
100 Full Duplex
AutoSensing

Management

1. Browser



Bottom View



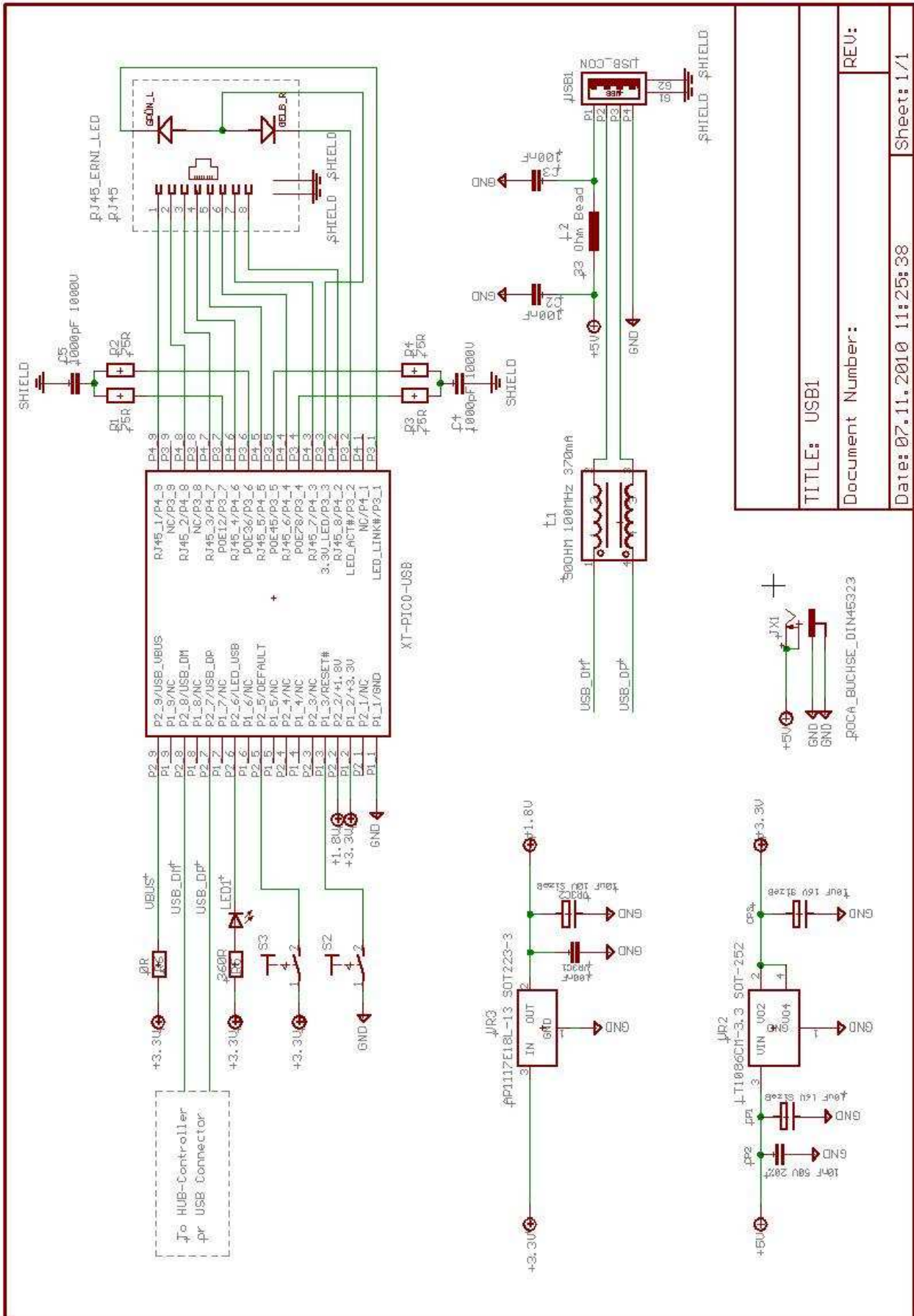
XT-PICO USB PIN description

PIN	USB - Connector	DIR	USB - 2.0 HUB	DIR		BUS
P1_1	Ground	PWR	Ground	PWR		P
P1_2	+3.3Volt	PWR	+3.3Volt	PWR	+3.3V IO voltage / min. 110mA	W
P1_3	Reset\	in	Reset\	in	Chip reset, active low.	R
P1_4	NC		NC			B U S 1
P1_5	NC		NC			
P1_6	NC		NC			
P1_7	NC		NC			
P1_8	NC		NC			
P1_9	NC		NC			
P2_1	NC		NC			B U S 2
P2_2	+1.8Volt	PWR	+1.8Volt	PWR	+1.8V core voltage / min. 120mA	
P2_3	NC		NC			
P2_4	NC		NC			
P2_5	Set Default	in	Set Default	in	Active high input to restore the factory default setting / or NC	
P2_6	LED_USB\	out	LED_USB\	out	USB connector detected (without any resistor)	
P2_7	USB+	IO	USB+	IO	USB differential data plus.	
P2_8	USB-	IO	USB-	IO	USB differential data minus.	
P2_9	NC		VBUS	in	Hub Power mode High = Self powered / Low = Bus - powered	
P3_1	LED_LINK\	out	LED_LINK\	out	Ethernet Link, active LOW (contains 270 Ohm series resistor)	L E D
P3_2	LED_ACT\	out	LED_ACT\	out	Ethernet Activity, active LOW (contains 270 Ohm series resistor)	
P3_3	+3.3Volt LED	out	+3.3Volt LED	out	connected to +3.3V in	
P3_4	POE78		POE78			P O E
P3_5	POE45		POE45			
P3_6	POE36		POE36			
P3_7	POE12		POE12			
P3_8	NC		NC			N C
P3_9	NC		NC			
P4_1	NC		NC			L A N R J 4 5
P4_2	RJ45_8		RJ45_8			
P4_3	RJ45_7		RJ45_7			
P4_4	RJ45_6		RJ45_6			
P4_5	RJ45_5		RJ45_5			
P4_6	RJ45_4		RJ45_4			
P4_7	RJ45_3		RJ45_3			
P4_8	RJ45_2		RJ45_2			
P4_9	RJ45_1		RJ45_1			

Everything else you might need is an RJ45 connector and two LEDs.

You can directly use the LED female connectors. The series resistors are already available on the **XT-PICO-USB**. It is also possible to directly connect the RJ45 connectors on the RJ45 female connector. The required transmitter is also available on the **XT-PICO-USB**.

XT-PICO USB incl. USB connection



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