

Wireless LAN



Introduction

The applications of 802.11b wireless LAN are getting more and more popular by the more and more mature technology. It's not only faster than the industrial traditional transmission i.e. RS-232, RS-485, RS-422 etc, but also able to decrease the troublesomely wiring works. It's also more mobility than Ethernet network.

Our T-316 is an Ethernet LAN to wireless LAN converter. In addition to the above advantages, it doesn't need to install any software or drivers when you use it. The setting process is very simple. Users don't need to modify the current hardware system or current running program then be able to enjoy the benefits of wireless transmission.

Wireless LAN



T-316

T-316

- High 11Mbps Transmission Speed and Quality
- Converts Wired Ethernet Data to Wireless Format Effortlessly
- Minimizes Wireless Security Concerns in Public Areas

Accessories



ANT-15

ANT-15

- Gain: 15dBi
- VSWR : 1.3:1 Max
- Polarization: Vertical
- Power handling: 10W
- Impedance: 50 Ohms
- Connector: SMA
- Cable: RG-58, 100cm



ANT-18

ANT-18

- Gain: 18dBi
- VSWR : 1.3:1 Max
- Polarization: Vertical
- Power handling: 10W
- Impedance: 50 Ohms
- Connector: SMA
- Cable: RG-58, 100cm
- Dimension: 263 L x 263 W x 30H (mm)



ANT-21

ANT-21

- Gain: 21dBi
- VSWR : 1.3:1 Max
- Polarization: Vertical
- Power handling: 10W
- Impedance: 50 Ohms
- Connector: SMA
- Cable: RG-58, 100cm
- Dimension: ϕ 610 x150 (mm)

GSM/GPRS Modules SERIES



Supreme

Supreme: 850/900/1800/1900

- 850MHz / 900 MHz:
- E-GSM compliant.
 - Output power: class 4 (2W).
 - Fully compliant with ETSI GSM phase 2 + small MS.
 - EGPRS: Output power: 0.5W
- 1800 MHz / 1900MHz:
- Output power: class 1 (1W).
 - Fully compliant with ETSI GSM phase 2 + small
 - EGPRS: Output power: 0.4W
- GPRS:
- Class 10.
 - PBCCH support.
 - Coding schemes: CS1 to CS4.
 - Compliant with SMG31bis.
 - Embedded TCP/IP stack.
- Power:
- DC +5.5 V to +32 V at 2.2A.
 - Maximum current: 480 mA Average at 5.5V. 2.1 A Peak at 5.5 V. (TBC)
 - Protected against voltage over +32 V.

- Ranges of temperature:
- Operating / Class A : -20 °C to +55°C
 - Operating / Class B: -30 °C to +85°C
 - Storage: -40 °C to +85°C

- Mechanical Characteristics:
- Dimensions: 73 x 54.5 x 25.5 mm (excluding connectors)
 - Overall Dimension: 88 x 54.5 x 25.5 mm
 - Weight: ≈ 80 grams (Supreme only)
 < 120 grams (Supreme + bridles + power supply cable)
 - Volume: 101.5 cm3
 - Housing: Aluminum profiled

GPS Receiver SERIES



UT-41R-RS232

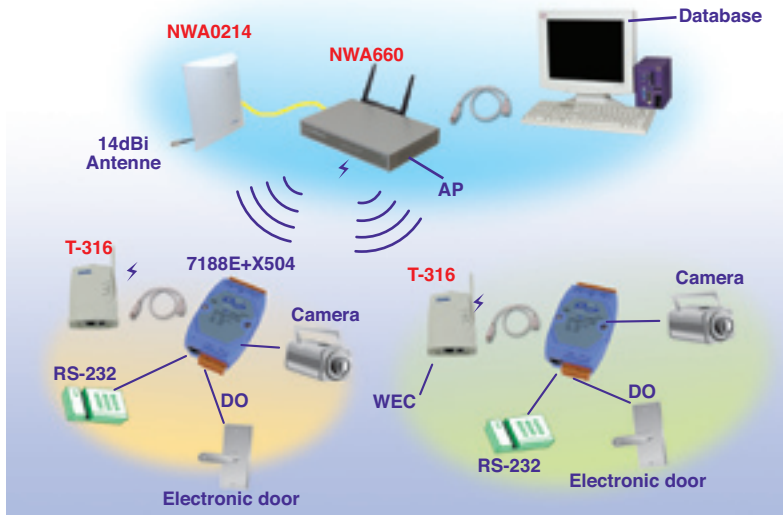


UT-41R-USB

UT-41R-RS232/UT-41R-USB: GPS Receiver

- General: L1 (1575.42MHz), C/A code, 12-channel, Carrier-Aided with HWTrack.
- Update Rate: 1Hz
- Operation Temperature : -40°C to + 85°C
- Storage Temperature : -55°C to + 90°C
- Operating Humidity : 5% to 95%
- Primary Power : 3.8V~8V DC
- Protocol : NMEA-0183 v3.01 @ 4800 baud, 8-None-1
- Dimension : UT-41R-RS232: 45mmx30mmx13mm w/o housing (W x L x H)
 UT-41R-USB: 42 mm x 42 mm x 15.9mm (W x L x H)

Applications



The diagram illustrates a GPS application. It shows a 7188E+X504 module connected to a T-316 gateway, which is connected to a mobile phone. The phone is connected to a GPS receiver. The diagram is overlaid on a world map.

1. Easy obtain GPS info. -- Receive complete NMEA Messages via a simple function.
2. Receive part NMEA Messages via a simple function.
3. Obtain more accuracy system time.
4. Simple HMI -- Use the T-7188XA to obtain GPS info such latitude, longitude etc with no need for an extra display.
5. Supports fixed or mobile Applications.

1. Send GPS info. (UTC time, Latitude etc.) to remote Host automatically via SMS.
2. Remote Host can dial in for getting the GPS info (UTC Time, Latitude etc.).
3. Easy Wiring -- only using 3 wire (TX, RX, GND) to connect T-7188.
4. Easy programming -- provide C Library.
5. Support fixed or mobile Application.