

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

Ordering Information / Options

T-316: 11Mbps Wireless Ethernet
 NWH6110: 11Mbps Wireless Ethernet Building Bridge
 NWH660: 11Mbps Wireless Access Point
 NWA0208: 8.5dBi Outdoor High-Gain Directional Antenna
 NWA0214: 14dBi Outdoor High-Gain Directional Antenna



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



NWH6110

NWH6110

- Industrial IEEE 802.11b Standard Compliant
- Superior Coverage and High Transmission Quality
- Remote Configuration
- Comprehensive Network Management Tools
- Multi-Level Security
- Antenna Alignment Monitoring
- Repeater Bridge



NWH660

NWH660

- Industrial IEEE 802.11b Standard Compliant
- Superior Coverage and High Transmission Quality
- Comprehensive Network Management Tools

Accessories



NWA0208

- 8.5dBi Directional Antenna
- HPBW/Horizontal: 70°
- HPBW/Vertical: 65°
- Dimensions: 125x120x42mm



NWA0214

- 14dBi Directional Antenna
- HPBW/Horizontal: 30°
- HPBW/Vertical: 30°
- Dimensions: 240x240x60mm

Distance \ Mode	Ad-hoc	Infrastructure
0~300M (indoor)	T-316	NWH660*1 + T-316
300~1000M (indoor)		NWH660*2 + NWA0208*2 + T-316
1000~2000M (outdoor)		NWH660*2 + NWA0208*2 + T-316
2000~4000M (outdoor)		NWH660*2 + NWA0214*2 + T-316
4000~8000M (outdoor)		NWH660*2 + NWH6110*2 + NWA0214*4 + T-316
>8000M		{NWH660*2 + NWH6110*2 + NWA0214*4 + T-316}*n

GSM/GPRS Modules

SERIES



M1206

M1206: 900/1800 GSM/GPRS External Modem

- Dual Band GSM/GPRS modem (EGSM900/1800 MHz)
- Fully Type Approved
- Fully compliant with ETSI GSM Phase 2 + specifications (Nomal MS)
- Output power: Class 4 (2W @ 900 MHz); Class 1 (1W @ 1800/1900 Mhz)
- Input voltage: 5V-32V
- Input current: Always on version (GPRS): -13, 2mA in idle mode, 130mA in communication (GSM 900), 94mA in communication (GSM1800/1900)@ 13, 2V
Autoshutdown version (GSM): -2, 5mA in idle mode, 130mA in communication (GSM 900), 94mA in communication (GSM1800/1900)@ 13, 2V
- Temperature range: -20°C - +50°C operating; -25°C - +70°C storage
- Overall dimensions: 98x54x25mm
- Weight: 130g



GM29

GM29: 900/1800 GSM/GPRS External Modem

- Dual band EGSM 900/1800 MHz GSM/GPRS modem
- GPRS Class B (4+1)
- Compliant with ETSI GSM Phase 2+ standards (Sma11 MS)
- Output power: Class 4 (2W @ 900 MHz) Class 1 (1W @ 1800 MHz)
- Supply voltage: 5-32 VDC
- Standard RS232 9-way serial connection
- Overall dimensions: 77 x 67 x 26 mm
- Operating temperature range: -25°C to +55°C
- Storage temperature range: -40°C to +85°C
- Weight: < 130g

Applications



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 I-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 I-7188.
4. Easy programming -- provide C Library.
5. Support fixed or mobile Application.