

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

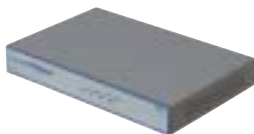
T-316: 11Mbps Wireless Ethernet
NWH6110: 11Mbps Wireless Ethernet Building Bridge
NWH650: 11Mbps Wireless Building Access Point
NWH660: 11Mbps Wireless Access Point
NWA0106: 6dBi Indoor High-Gain Directional Antenna
NWA0208: 8.5dBi Outdoor High-Gain Directional Antenna
NWA0214: 14dBi Outdoor High-Gain 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



NWH650

NWH650

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



NWH660

NWH660

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



P-380A

P-380A Outdoor Router

- IEEE 802.11b Access Point, Router, Bridge
- 802.1x/EAPoLAN/with MD-5/TLS/TTLS/SIM □
- support (in preparation)
- Wi-Fi compliant
- Remote software upgrade via HTTP
- Programmable output power

Accessories



NWA0106

NWA0106

- 6dBi Directional Antenna
- HPBW/Horizontal: 80°
- HPBW/Vertical: 80°
- Dimensions: 115x76x76mm



NWA0208

NWA0208

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



NWA0214

NWA0214

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

Distance \ Mode	Ad-hoc	Infrastructure
0~100M (indoor)	T-316	NWH650*1 + T-316
100~300M (indoor)		NWH650*1 + T-316
300~1000M (indoor)		NWH660*2 + NWA0106*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: 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
- Autoshtutdown 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: 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°CJ to +55°CJ
- Storage temperature range: -40°CJ to +85°CJ
- Weight: < 130g
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GM-305: GPS Receiver

- General: L1 (1575. 42MHz), C/A code, 12-channel,
- Carrier-Aided with HWTTrack'.
- Sensitivity: -165 dBW minimum
- Update Rate: 1Hz
- Datum: 219 standard datum; WGS-84 (default)
- NMEA Messages: GGA, GSA, GSV, RMC (standard output)
- GLL and VTG (optional)
- Operation Temperature: -40°C to +85°C
- Storage Temperature: -55°C to +100°C
- Operating Humidity: 5% to 95%
- Primary Power: 3.8V~8V DC, -10%
- Power Consumption: 125mA @ 3.3V; 70-90mA with power
- saving
- Serial Port: Standard RS-232
- 10s: 1 PPS & TX out @ TTL level
- Dimension: 45mmx30mmx13mm w/o housing
- Weight: 25g w/o housing

Applications

