Wireless LAN

7188E:
Embedded Controller

PLC

T-316

RJ-45 Cable

RJ-45 Cable

7188E:
Embedded Controller

RJ-45 Cable

RS-485 Network

RJ-45 Cable   **T-316**

8000 Series AI/O, DI/O Module

7000 Series AI/O, DI/O Module

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 than be able to enjoy the benefits of wireless transmission.

Wireless LAN

Ordering Information / Options

T-316: 11Mbps Wireless Ethernet Client (Non-manageable Version)
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

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

NWA0106

NWA0208

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

NWA0208

NWA0214

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

NWA0214

Mode / Distance	Ad-hoc	Infrastructure
0~100M *(indoor)*	T-316	NWH650*1 + T-316
100~300M *(indoor)*		NWH650*1 + T-316
300~1000M *(indoor)*		NWH660*2 + NWH0160*2 + T-316
1000~2000M *(outdoor)*		NWH660*2 + NWH0208*2 + T-316
2000~4000M *(outdoor)*		NWH660*2 + NWH0214*2 + T-316
4000~8000M *(outdoor)*		NWH660*2 + NWH6110*2 NWH0214 + T-316
>8000M		{NWH660*2 + NWH6110*2 NWH0214 + T-316}*n

*G*SM/GPRS *Modules* SERIES

M1200A/M1203A

CMS-91GPRS Module

GM-305

M1200A: 900/1800 GSM External Modem
M1203A: 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: -20ßC - +50ßC operating; -25ßC - +70ßC storage
- Overall dimensions: 98x54x25mm
- Weight: 130g

CMS-91:900/1800 GSM External Modem

- Power supply:
  Standard battery:
  Li-Ion, Li-Poly: 600 mAh; 3.6 or 3.7 V
- Power consumption:
  Standby time: 2/51 frames: 10.59 mW; 5/51 frames: 6.61 mW
  9/51 frames: 5.44 mW
  Talk time: GMS900 @ 33dBm (Class 4) 970 mW
  GMS1800 @ 30dBm (Class 1) 770 mW
- Temperature:
  For operation: -20 to +55ßC; For storage: -45 to +85ßC
- Size: 35 x 35 x 5 mm L/W/H
- Weight: 10.5 g
- The other teathers are the sames M1200A/M1203A

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: -40ßC to +85ßC
- Storage Temperature: -55ßC to +100ßC
- 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
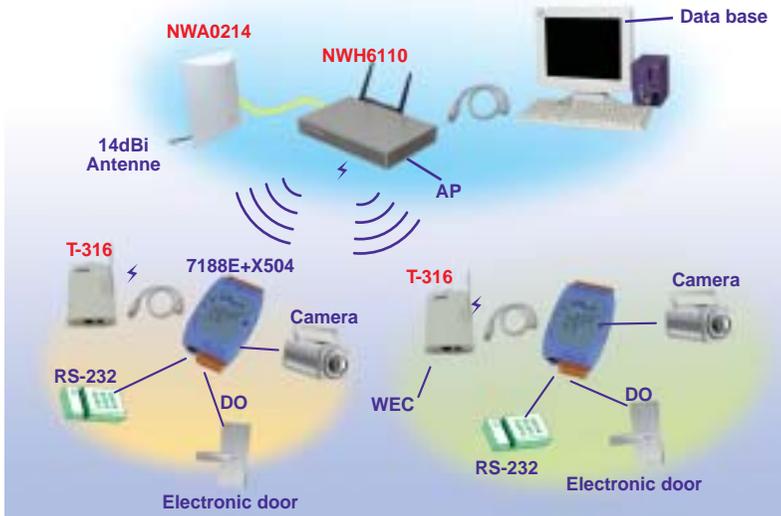- Weight: 25g w/o housing

Applications

Data base

NWA0214

NWH6110

14dBi Antenne

AP

T-316

7188E+X504

T-316

Camera

Camera

RS-232

DO

WEC

DO

Electronic door

RS-232

Electronic door