

## ET-WiFLY GSX

(P-ET-A-00448)

### ET-WiFLY GSX

TCP/IP, DHCP, UDP, DNS, ARP, ICMP



ET-WiFLY GSX is the device to convert data from RS232 Communication into Wireless LAN. The complete set consists of Board, Module WiFly and antennae, so it is unnecessary to purchase any Option. Moreover, it reduces difficulty in communicating data between Wireless LAN and RS232 PORT because user does not waste time to learn or write any program by self. It can be modified and adapted for various applications; for example, it can interface machine with Wireless LAN; it can interface Controller Boards with Wireless LAN; it can interface Board Microcontroller with computers or Smartphone and etc.

#### Specifications of ET-WiFLY GSX

- Use Module WiFly # RN-131C from ROVING NETWORKS Company
- Use Frequency range of 2.4GHz according to the standard of IEEE 802.11 b/g
- Support the communication types; TCP/IP, DHCP, UDP, DNS, ARP, ICMP
- Use antennae as CERAMIC CHIP ON BOARD and has CONNECTOR U.FL to interface with external antennae
- TRANSMISSION RATE (OVER THE AIR)
  - : 1-11Mbps FOR 802.11 b
  - : 6-54Mbps FOR 802.11 g
- RECEIVE SENSITIVITY : -85 dBm
- OUTPUT LEVEL (CLASS 1): +18 dBm
- Support Adhoc Mode (PEER TO PEER)
- Has security system for communicating data as WEP-128, WPA-PSK(TRIP), WPA2-PSK(AES)
- Has universal standard of MAC ADDRESS internal module
- Can set CONFIGURATION through WiFi by TELNET or RS232 PORT
- Has 4 LEDs to display operating statuses and status of POWER SUPPLY
- Can set BAUDRATE for RS232 Port in the range of 2400, 4800, 96000,...., 460800, 921600 bps
- Has RS232 SERIAL PORT DB 9PIN FEMALE
- Use DC JACK 2.5 mm., 7-12VDC (500mA) to be POWER SUPPLY (it can use version WET-SWITCHING ADAPTER 12V 0.5A TYPE J (OPTION) excluded in the package)
- Plastic Box size of ET-WiFLY GSX is 7.5 x 2.5 x 5 cm.
- ET-WiFLY GSX set consists of...
  1. Board with box ET-WiFLY GSX
  2. Cable DB 9PIN "SERIAL CABLE DB-9 M/F"
  3. CD-Rim Program and User's Manual



## ET-XPORT V1

(P-ET-A-00275)

### ET-XPORT V1

RS232 TO LAN TCP/IP Ethernet 10/100MBIT



Module XPORT LANTRONIX

CPU 186 256KB ZERO WAIT STATE SRAM  
512KB FLASH / 16KB BOOT ROM  
WITH RIJNDAEL ENCRYPTION  
EMBEDDED WEB SERVER  
10/100MBIT ETHERNET-AUTO-SENSING

ET-XPORT V1 is device for transforming data that is connected between PROTOCOL of TCP/IP and RS232 PORT. One side must be interfaced with PORT RS232 of Board Control and other one side must be communicated through LAN ETHERNET system TCP/IP PROTOCOL. Function of ET-XPORT is DATA PROTOCOL CONVERTER. It makes user more convenient because it reduces the difficulty of usage and connective components though LAN system. So, we can apply it to be NETWORK connection through LAN system for sending Alarm E-Mail, RS232 connection through LAN system for data detection.

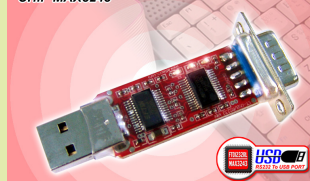
#### SPECIFICATIONS

- USING MODULE XPORT FROM LANTRONIX CO., LTD. BECAUSE ITS SPECIFICATIONS IS BETTER THAN OTHER MODULES
  - MODULE XPORT USES CPU FAMILY 186, 256KB ZERO WAIT STATE SRAM, 512KB FLASH, 16KB BOOTROM, WITH RIJNDAEL ENCRYPTION
  - EMBEDDED WEB SERVER, 10/100MBIT ETHERNET-AUTO-SENSING
  - BAUDRTAE CAN BE COMMUNICATED FROM 300 TO 921600 BPS
  - RS232 SERIAL PORT DB 9 PIN FEMALE
  - RJ45 PORT ETHERNET LAN WITH LED TO DISPLAY STSTUS OF COMMUNICATION DATA
  - 3 INPUT OPTO-ISOLATE 5VDC-24VDC TO INTERFACE WITH EXTERNAL DEVICE AND TO KNOW THE STATUS THROUGH ETHERNET
  - 4 LED FOR DISPLAY THE STATUS OPERATION OF INPUT AND POWER SUPPLY
- CAN SET CONFIGURATION THROUGH WEB BROWSER OR TELNET OR RS232
- USING PASSWORD PROTECTION WITH ENCRYPTION SYSTEM FOR SENDING/RECEIVING DATA PROTECTION
- CAN SUPPORT TCP/IP PROTOCOL COMMUNICATIONS SUCHA AS
  - ARP, UDP, TCP, ICMP, TELNET, TFTP, AUTO IP, DHCP, HTTP, SNMP FOR NETWORK TYPE
  - TCP, UDP TELNET FOR RS232 COMMUNICATION TYPE
  - USER DATA GRAM PROTOCOL (UDP)
  - SMTP FOR SENDING/RECEIVING E-MAIL
- INTERNAL STANDARD OF MAC ADDRESS OR ETHERNET ADDRESS
- POWER SUPPLY 5V-12VDC
- BOX SIZE: 7.5 x 2.5 x 5 CM., 4 PIN INPUT PLUGGABLE TYPE TERMINAL BLOCK
- ET-XPORT V1 INCLUDES...
  1. BOARD ET-XPORT V1 WITH BOX
  2. CD-ROM OF THAI USER MANUAL'S PROGRAM
  3. CABLE RJ45 ETHERNET LAN (PEAR TO PEAR),
  4. POWER SUPPLY ET-SWITCHING ADAPTER 5V 1.2A TYPE J



## ET-USB/RS232 MINI (P-ET-A-00334)

CHIP FTDI # FTDI232RL  
CHIP MAX3243



ET-USB/RS232 MINI is a mini and inexpensive board to convert signal from RS232 PORT to be USB PORT. It can be interfaced with Connector USB of computer PC directly.

- Use IC No.FTDI232RL and IC No. MAX3243 of FTDI Co, Ltd
- Connector RS232 DB 9 PIN MALE and Connector USB TYPE A
- ET-USB/RS232MINI consists of
  1. Board ET-USB/RS232 MINI
  2. CD-ROM

