

netvox™

Company Overview



NETVOX Technology Co., Ltd. **NETVOX Technology Co., Ltd. (Xiamen)**

Presenter: Kent Shen (Vice President)



Taiwan Head Office: No. 21-1, Chung - Hua West Rd. Tainan, Taiwan
China Factory: Xiamen Torch High Technology Industrial Development Zone

IECQ QC 080000



About US



Tainan, Taiwan – Netvox Head Office

Company Profile

- ◆ President: S.C. Shen
- ◆ Founding Date: Oct., 1996
- ◆ Consolidated Registered Capital: USD 10,320,000.00
- ◆ Consolidated Invested Capital: USD 15,000,000.00
- ◆ Annual Turnover: USD 18,000,000.00
- ◆ Total Factory Space: 15,600 square meter
- ◆ Total Employee: 250
including 160 Direct Labors, 10 QCs, 40 Engineers,
15 PE, 25 staff,



Where we live & do

Major Facilities in Xiamen Factory

◆ Tooling Shop	1
◆ Plastic Injection Machine	18
◆ SMT Line	2
◆ Assembly Line	4
◆ Printing Shop	1
◆ Power Meter Calibration	1



Xiamen, China - Netvox Factory

Contract Manufacture Services

- ◆ SMT and through hole production capability/Chip on Board production
- ◆ Tooling design and fabrication
- ◆ Complete mechanical and electronic engineering supports
- ◆ PCB layout and In-circuit test
- ◆ Software engineering supports
- ◆ RF design
- ◆ Testing and certification support



Tainan, Taiwan – Netvox Head Office



ZigBee Related Achievement

&

Engineering Force



ZigBee Related Achievement

- ◆ Devoted in ZigBee products development for 7 years.
- ◆ The first company successfully developed and launched HA profile SDK on various OS platforms. It is proved to be the most successful and versatile ZigBee SDK developed.
- ◆ Hold 4 ZigBee related technical and application patents for ZigBee to IR, Speed Lighting Control, Intelligent Remotes..
- ◆ The most comprehensive ZigBee HA product line. More than 90 different ZigBee products developed.
- ◆ The first company launched iPhone app for ZigBee HA device control.
- ◆ More than 500 companies worldwide have tested and evaluated Netvox made ZigBee devices since 2006.
- ◆ The most creative and innovative ZigBee product designer and manufacturer.



Engineering Force

100% in-house mechanical, electronic hardware, firmware, software & application research & development

Taiwan :	
■ Mechanical :	5
■ Electronics:	5
Xiamen, China :	
■ Mechanical :	3
■ Electronics :	37
<hr/>	
TOTAL	50



ZigBee Products



ZigBee RF Module

ZigBee Pro Compliant

IEEE 802.15.4

Supports



UART

SPI

Options

Device Type (firmware pre-loaded)

- Coordinator
- Router
- End-device

Antenna Type

- Chip & I-PEX

Specification

-Coverage	Up to 70 m (line-of-sight)
-Operating voltage	2.4 ~ 3.6V DC
-Frequency	2.405 ~ 2.480GHz (ISM band)
-Channel no.	16

Selectable RF module versions



| EM250 | EM357 |



| CC2530 |



Con't ZigBee RF Module

ZigBee Pro Compliant

IEEE 802.15.4

Signal boost series

- Z110PA (CC2530) Tx power 18dBm | 1000m coverage
- Z110PE (EM250) 18dBm | 1200m
- Z110PB (EM357) 20dBm | 1400m

Long-range application

Antenna Type

- Chip & I-PEX



Selectable RF module versions



| EM250 | EM357 |



| CC2530 |



On/Off Power Meter Series

Sing-Phase Power Device

Energy (kwh) Power (w)

Current (mA) Voltage (v)



Wall socket series

Z816



Z817C
Motion Detector



Z817

Ceiling mount series



Z809



Z808
With USB
charger

Smart Plug series



Power Strip
Z803



Z810
w/ LCD display
(DIN Type)



Z805
Home power
grid for lights

Connector series



LET Tube (T8 type)
ZC06

General Spec.

Input power

85~264VAC max. /50/60 Hz

Load

Resistive: 15A/250VAC

Inductive: 1HP/250VAC,
1/2 HP/125VAC

Wireless coverage (line-of-sight)

Up to 50 m

Avl. dimmable



On/Off/Level Switches

AC powered

Battery powered



Z815 series



Light Sensor
Switch
Z302B



Z812
4 pairs



ZB02
1/2/3 gang



ZB02F



Z812



Shade Control
Z815N



Light Sensor
Dimmer
Z302H



Multi-fuctional
remotes
Z501 series



Simple remotes
Z501 series



Home Security

I'm alive!!
By heart-beat



Battery level reporting



Security Central



Z201B

Zone sensors (Battery Powered)



Door contacts
Z302A

Glass break
Z302C



Remotes
Z501 series



Panic Button
Z302D
Asset protector
Z302E



Motion Sensor
ZB01A

Siren



Z601



Smoke/Gas
sensing
Plus Heat Sensing (65°C)
ZA01 series



Gas keeper
ZA10

Fall Detector
Z307
w/ charger



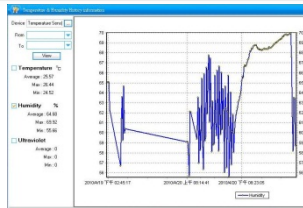


HVAC | Comfort



Battery level reporting

Ambient Sensor



ZiG-BUTLER captures

Temperature/ Hum sensor



Z716 w/ display



Z711

Outdoor



Z712 / Z713

Other Sensor



Occupancy Sensor ZB01D



Light intensity reader Z302G

In-home Display

Z508





ZigBee / 802.15.4 Industrial Adaptors



RS232

Model: ZL01A



RS485

Model: ZL01B



GPIO

Model: ZL01D



RS232

Model: ZL01F *Data acquisition



Ethernet

Model: ZL01C



USB

Model: ZL01E



Command Centre | Interface | Range Extender

Infrared Adaptor



Z210



USB Dongle

Z103

ZiG-BUTLER

Window PC based software



Gateway Coordinator

Z202D



ZiG-BUTLER

iOS (APPLE) based Apps



Range Extender



Z725
(200meter)



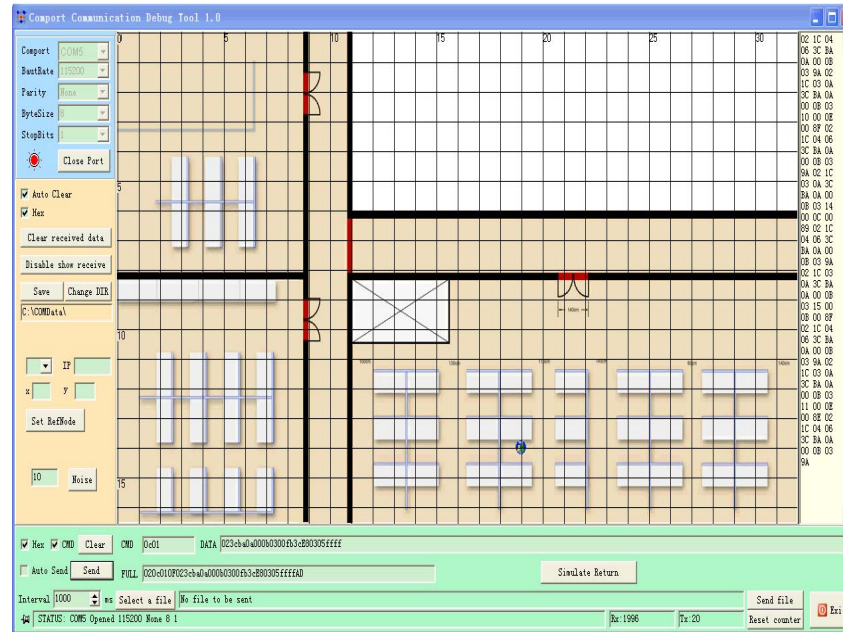
Z809D
w/ backup battery
(150meter)



Location and Tracking System



Z306
w/ Emergency button
w/ A201 charging cradle

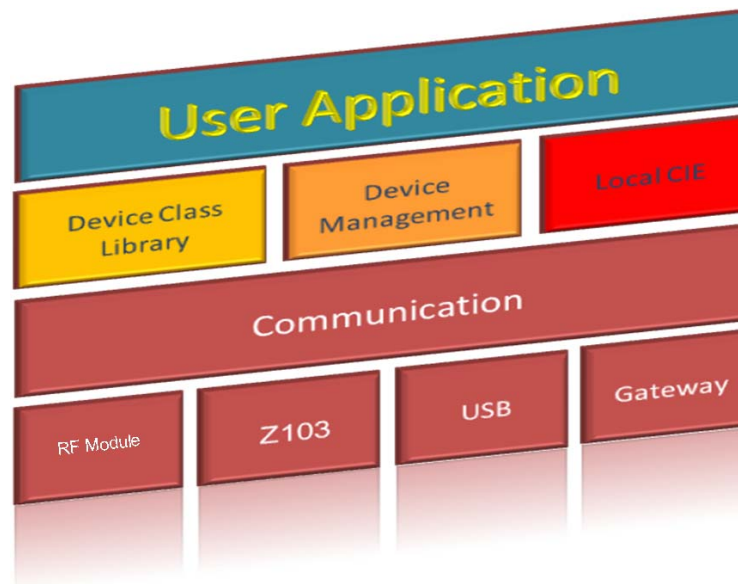




ZigBee Home Automation Profile SDK



ZBHA SDK Framework



Comprehensive:

***ZigBee Network Management.**

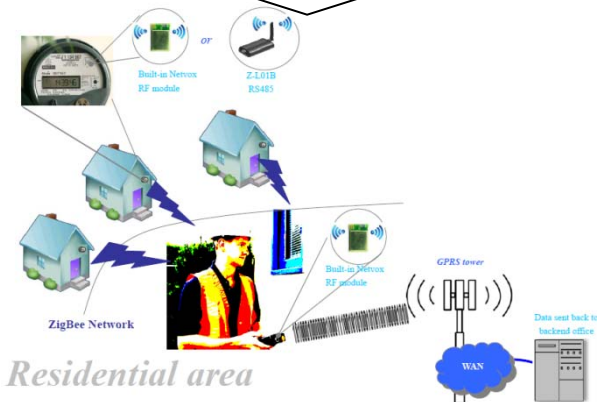
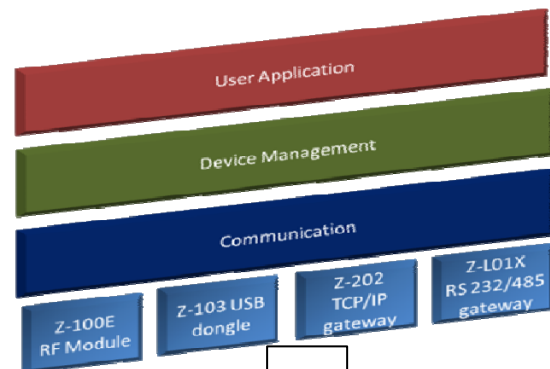
*** ZigBee Device control commands.**



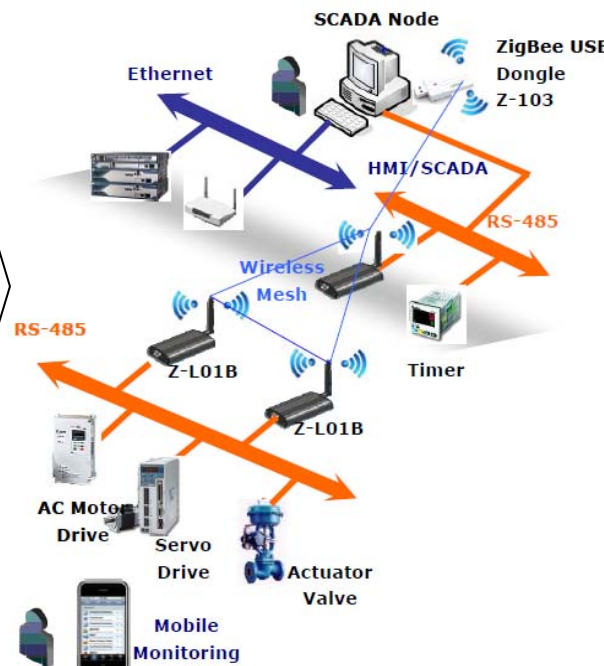
SDK for Industrial Automation Application



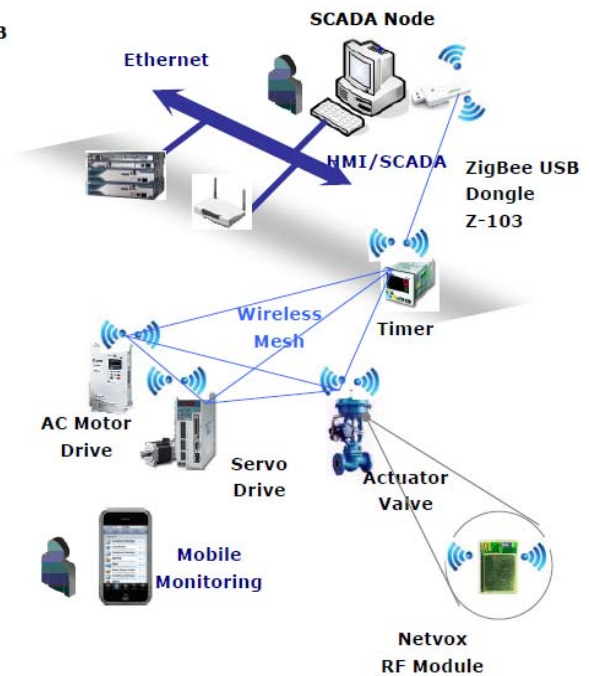
Industrial Automation SDK Framework



Metering / Data Acquisition



Processing Room/Motor Control



Roadmap of ZigBee Development

- ◆ More ZigBee devices are under development such as Smart Energy devices and application, Energy Harvesting Devices, Finger Print Access control, iOS and Android SDK, HEMS,
- ◆ Integrate video surveillance into current ZigBee HA system
- ◆ ZigBee IP and SEP 2.0 product development
- ◆ ZigBee Door Lock
- ◆ ZigBee Light Link profile device development
- ◆ Integration with digital home entertainment centre
- ◆ ZigBee Asset Tracking and Location in ZigBee Pro



Thank You

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