

## **Company Profile**









Xiamen Four-Faith Communication Technology Co. Ltd. is a backbone enterprise of China internet of things in wireless communication field, is a high-tech enterprise owns grumous value of 'honesty, trust, confidence, belief' to cover products, services and management activities.

The company focuses on R&D, production, promotion and service of internet of things products and industrial high-end wireless communication transmission equipments. Products line including: mountain torrent disaster warning broadcast equipment, LED wireless distribution system, wireless Modem, wireless IP Modem( DTU), wireless industrial router, GPS terminal, ZigBee terminal, etc.

The company has strong R&D capability, R&D staffs account for more than 60% proportion of whole company staffs, backbone R&D staffs have more than 10 years R&D experience in the industry. For a long time, Four-Faith communication clings to the pulse of network industry development, to do the promoter of the industry; independent innovation, to do the fully intellectual property practitioners; thorough application of the network industry, to provide customers with leading, professional products and services; gradually formed the specialized operating characteristics of the product-based system, providing systemic solutions for various industries, comprehensively help clients achieve application target of 'wisdom, standard, safety, reliability'.

After years of development, Four-Faith passed ISO 9001, CE and other quality certifications, the establishment of Xiamen headquarter as the core, Beijing, Shanghai, Wuhan, Xi'an Branch as the stronghold, where radiates Singapore, Thailand, India and others more than 20 countries and regions of sales service network, products are widely used in the fields of finance, electric power, water conservancy, environmental protection, meteorology, tax, and company sustains a healthy, stable and rapid growth.

Four-Faith Communication will continue to uphold the integrity, professionalism,innovative ideas to create greater value for customers, continue to promote the company move forward, spare no effort to make charming brand, to build the intelligent world of the Internet of Things!



## **Make Happiness Company**



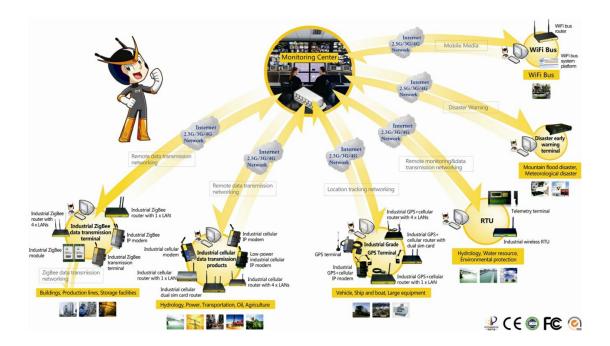
Four-Faith always follow the philosophy of 'honesty, trust, confidence, and belief'. We are actively creating a team which all are with kindness, happy to work, responsibility, commitment, and having teamwork spirit.

Four-Faith is not only a working place, but also a home to inspire love and wisdom. We are shaping our life during our work. The staff are not only colleagues who working hard together, but also partners to grow together; The customers are not only the objects to sign the contracts, and the suppliers are not who to exchange the interest only, both are our partners and friends to meet the challenge, promote industry development, and cast industry chain in the future of Internet of Thing field.

We practice honesty, trust, confidence and belief together here; We live every ordinary and dependably day together here; We enjoy equal opportunities, respect each other, and create a health business team together here.



### Four-Faith Products line



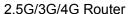
Four-Faith has the complete IOT wireless products lines including cellular communication products line, Zigbee products, water conservancy products, in-vehicle application products, multi-media application line and customization solution.

- 1. Long range wireless network products--4G/3G Router, IP modem, modem
- 2. Short range wireless network products--Zigbee embedded module, Zigbee router, Zigbee Modem
- 3. Water conversancy products line: 3g RTU, water conversancy RTU, flood disaster warming device
- 4. In-vehicle terminal products: in-vehicle wifi terminal, in-vehicle GPS terminal, in-vehicle DVR
- 5. Multi-media products line: LED wireless display system, elevator monitoring system, LED control card
  - 6. Customization Solution based on wireless communication



### 1. Cellular Wireless Products







**Dual Sim Router** 



Low Consumption IP Modem

- Nation patent certificated
- Complete products line, cover 4G/3.5G/3G/2.5G
- Industrial grade design, establish the stable and reliable network

## 2. ZigBee Products



ZigBee Embedded Module



ZibBee Data Terminal



ZigBee+ Celluar Router

- Fast transmission
- Huge data volume
- Support multi-mode of sleep and wake, low consumption



### 3. Products for hydrological application







Telemetry Terminal

Flood Disaster Warning Device

3G/4G RTU

- Water conservancy recommend
- License of Industrial Products
- Widely used in the flood disaster project

## 4. In-vehicle terminal products



Bus Wifi Device



Gps+ Celluar IP Modem



**GPS+ Celluar Router** 

- Suitable for cars, trucks etc.
- Shockproof and convenient for power supply
- Complete drop mechanism, stable and reliable communication

### 5.Multi-media Products line



LED Wireless Display System



Wireless Control Card

- Widely used in the traffic information release, weather information, advertising information area
- Support B/S construction, the release terminal can reach 50,000 points

### **R&D Team**



Four-Faith existing R&D personnel qualification as below, more than 30% has a master's degree or above, more than 90% has at least a bachelor's degree. R&D personnel has many years of experience in research and development of network communication system, many of them have senior professional titles and work experience in the world top 500 enterprises. Since Four-Faith has always paid great attention to the construction of research and development department, spending more than 20% of sales revenue in R&D, This department has advanced equipment laboratory and testing environment. All products development should follow the ISO9001 standard.



R&D department has a professional research and development framework, It consists of embedded software development, hardware development, application platform development and testing department of the secondary sector. Research areas includes the embedded operating system, embedded application software design, TCP/IP network protocol development, video compression technology, online technology, wireless data transmission technology, platform software design technology, hardware schematic diagram and PCB design technology, PCB board design technology, electromagnetic compatibility technology, etc.

All Four-Faith products are designed by Four-Faith R&D department. Four-Faith has the independent intellectual property rights. Four-faith has a number of invention patent, utility model patents, software copyrights, software product registration certificate, passing the ISO9001 and SGS certification, and makes the enterprise product standards. Products pass CE certification, FCC certification, EMC certification, certification of environmental testing, its measuring center certification, ministry of water resources water conservancy science research institute, the national industrial production permit measurement certification, etc.

### **Production ability and Quality control**

Production Scale: Four-Faith has produced more than 1000 thousand communication terminals.Four-Faith company covers more than 3000 square meters with factory 1500 square meters, warehouse 1300 square meters, and lab 200 squares. And has set up a plug- finished products assembly production line, a SMT-finished products production line.

• Production line: 18000pcs can be produced per month and can expand to 250000pcs/month.



- Equipment: Four-Faith own a automatic high speed SMT machine, and several automatic medium speed SMT machine, automatic horizontal plug machine, Vertical plug machine, all kinds of inspection device etc.
- Profession staff: Four-Faith has skilled production staff and set up a special production management department, own a professional production manager and technical personnel, responsible for production management, technical guidance and quality management. Four-Faith establish the production kanban management system, making the whole production management become more simple and manageable.

No	Process	Description	Image
1	Detection equipment	Precise material inspection device to ensure qualified material to be used.	28297 0 1998
		The Standard material storage area	
2	Production site	Standard 7s managing site	





		Perfect ESD protection system Plasma Clear fan system	
3	Manufacturing equipment	Brush paste machine automation Achieve solder paste printing "fine", "accurate", "quality"	A Line A
		Advanced SMT machine	ALLESCA NE 2010/00
		Standardized job Real-time monitoring	
		Good on-site management	
		Twelve-temperature solder dryer Mere real-time monitoring with temperature Paste welding more quality assurance	





4	Testing Equipment	Well-trained and dedicated staff	
		Intelligent Optical Defect detection system	
		Standardized job on-site	
5	Assemble and install	Standard operating procedures	
6	Testing & detection	Computer software testing Four-Faith product configuration software 100% performance test 100% appearance inspection	1
7	Quality Inspection	Full implementation of the sampling plan For small quantities order, high standard inspection program: 100% performance test, and 100% appearance inspection	

### Sales Team



After years of development, Four-Faith establishes Xiamen HQ, three communication terminal products sales team, two industry division and a professional marketing team based in Beijing, Shanghai, Wuhan Branch office, and have sales service site in Singapore, Spain, South Africa, Canada, Brazil, Russia and other 20 countries and regions, make Four-Faith continue to healthy, stable and rapid growth.

In order to better serve our customers, and provide quality products and solutions, Four-Faith has a large number of experienced professional sales&marketing staff, and create a professional technical service team in parallel. More than 80% of current team have bachelor degree and experienced professional technical personnel in the mobile communications industry.

### Application examples for overseas markets

Four-Faith wireless communication products are widely used in the fields of energy, environment, transport, agriculture field, etc. Applications including: environmental protection, industrial safety, water conservancy and hydropower, intelligent transportation, automatic irrigation .....



### **Energy field**



LED solar panel data monitoring system in Greece

Gas station data acquisition system in Oman

Electric power data acquisition system in Mongolia

Temperature and power distribution substation monitoring system in Taiwan, China

Remote meter reading system in India

Power industry data transmission system in Malaysia

Wind turbines in Italy

Meter reading application in Russia

Meter reading application in Panama

Substation detection system in South Africa

Wind turbine monitoring system in Denmark

Power monitoring system in Sri Lanka

Street light monitoring system in Colombia

Electricity meter reading system in Chile

Oil & oil well data transmission system in Brazil

Solar data transmission system in Slovenia

Power monitoring system in Spain



### **Agriculture field**

# Agriculture field



Agricultural irrigation system in Mexico

Agricultural irrigation in Israel

Dam water level detection in Mongolia

Water conservancy monitoring system in Malaysia

Zigbee data transmission system for irrigation in Portugal

## **Environmental protection field**

## Environmental protection field



Gas monitoring system in Finland

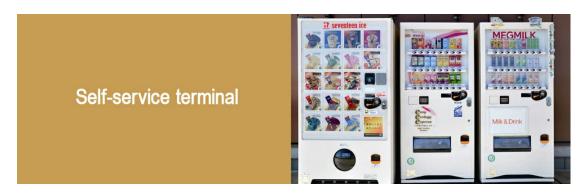
Geotechnical data monitoring in Singapore

Temperature and humidity monitoring in USA

American RFID sensor tracking application in USA



### Self-service terminal



Vending Machine System in France

ATM machine wireless networking in Malaysia

Retail chain VPN networking system in Thailand

American vending machine wireless data transmission system in USA

Mobile terminal application in Indonesia

Bank ATM application in UAE

ATM banking network system in Yemen

ATM machine data transfer system in UAE

## **Transportation**



Offshore vessels networking system in Netherlands

Bus WIFI in Spain

Bus WIFI in Thailand

Logistics monitoring in Australia

Ship WIFI in Netherlands

Vehicle Location in Colombia



Bus WIFI in Peru

Bus WIFI in USA

Bus WIFI in Lesotho

School bus network access monitoring in Australia

Ship GPS positioning system in UK

Police car intelligence network 3G dual card system in UK

Yacht networking system in Croatia

GPS fleet management system in Netherlands

Free WIFI 4G transfer system in Netherlands

Bus WIFI system in Turkey

## Project on-site pictures

### 1.Netherlands: a ship company AIS wireless data transmission application

Description: after receiving the data response from other AIS devices, AIS equipment connects to RS485 interface (console port) of F3434 3G router, and send ship information back to monitoring center via cellular network, monitoring center software parse the data to know specific information about the ship;





### 2.Malaysia: ATM machine wireless networking application

Description: This project is using Four-Faith F3434 to provide IPC equipment network after 3G connected, as long as this buffet coupon to buy a machine to print transaction data; F3434 can send all the information to the client's transaction management platform via wireless network, while customers in the office can also view the operation of the device, which would also help customers to remotely maintain the self-service terminal.



### 3. Australia: LED wireless release system on mobile bill boards

Intelligent highway motorized transport instructions screen is here and there in Australian highway. It uses Four-Faith B/S wireless release system, efficient networking, convenient, as long as there is a network, you can update the content real time, truly efficient grooming, unattended safe operation.





## 4. Spain: Industrial IP MODEM for transformer remote monitoring

A power company combines expert system from the background and wireless network technology together, and apply it to the transformer remote monitoring. Online monitoring of transformer operating parameters, using wireless transmission technology to transmit data to the monitoring center, can greatly improve the stability and security of electricity to prevent the occurrence of major accidents, efficient solution to difficult unified management and control issues of power facilities of geographical dispersion.





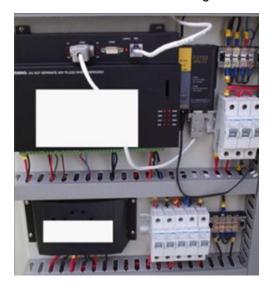
### 5.Malaysia: Four-Faith 3G Router for Automotive VOD system application

Automotive VOD system makes the passengers can chose their own entertainment by ouch operation on the playback device on the vehicle. The system is using Four-Faith 3G router that allows the passengers to browse the Web, board office, and GPS navigation is extendable.



### 6.Italy: meteorological monitoring system based on wireless communication

In the city of Catania, Italy, the application of meteorological monitoring system to measure weather elements such as temperature, pressure, relative humidity, wind speed, wind direction and the UV index and record these measurements in an external EEPROM, the system is using Four-Faith F2103 GPRS IP Modem for data transmission, and achieve data remote monitoring.





## Service Concept



