

OEM & ODM SERVICE GUIDE

To build a customer-centric, innovative, honest and trustworthy partnership

Publish Date: Mar. 2021

OEM / ODM SERVICE ARE WELCOME



With our world-class facilities and over 14 years of rich experience in IoT industry, all products that we produce are guaranteed with highest quality. We have great advantage in R&D ,assembly of IoT products especially on smart wearables, sensor beacons, location beacons and BLE&WiFi Gateways, alongside with electronic shelf labels. Working with the clients worldwide, we are viewed as a reliable strategic partner due to the high level of experience and expertise offered in the development, design and commercial support, in a highly focused effort to bring industry level products and services to you.



Professional R&D Team

- 10 years OEM/ODM/EMS experiences
- More than 80 multitalented R&D engineers
- Embedded firmware & software development
- Undertake projects from concept to commercialization
- Fast to prototyping & modeling
- Reverse engineering
- Dedicated to wireless tech development (Bluetooth/Wi-Fi/GPS/LTE/NB-IoT)



Production Capacity

- 129,167 Sq.ft. factory
- World-class auto SMT lines
- Metal shielding room (radio frequency)
- Tooling & prototyping workshop, Injection machine
- 3D / Laser printers, Plastic-envelope machine
- Ultrasonic machine
- Half-auto burn-in shelf (24/48H/72H)
- Electronic magnifier & AOI machine



Quality Control

- Strict benchmarks for quality
- Industry approved standards
- Periodic test
- Follow-up procedures
- Ongoing quality control
- Team of experts in product QC
- Perfect personnel training system



Customer Service

- Industry level customized design & integration service
- Collaboration with partners at all stages of project
- One-stop service covers initiating project, design, prototype, production, shipping and after-sales service



Qualifications

- ISO-9001
- ISO-14001
- OHSAS-18001
- BQB
- RoHS, REACH, CE, FCC, IC, KC, US
- BSCI
- TUV



Our Laboratory

- RF testing Instruments such as spectrum analyzer, signal generator, digital oscilloscope
- Safety testing equipment, like electromagnetic vibration generator & IPX level waterproof Kit
- Reliability analysis equipment & programmable temp. & humid. chamber
- Lifetime testing equipment
- Pre-test complies with CE,FCC regulations

What is the process of your OEM / ODM Project?



New Project Initiation

- Inquiry analysis
- Define exact product specification
- Time schedule, estimated unit cost

Research and Design

- Hardware / Mould tool design
- Firmware / Software design
- Package design

Quick Prototyping

- Components sourcing
- Fast prototyping
- Pre-test (CE, FCC, etc.)

Manufacturing

- PCB assembly
- Firmware flashing
- Enclosure assembly
- Brand / SN printing
- Package and label

Quality Control / Tests

- IQC: incoming materials inspection & quality control
- IPQC: security check / test / environment control

Massive Production

- Raw material preparation, usage and record
- Auto SMT line for efficient production
- FQC & OQC: functional testing and packaging check

Logistics

- Delivery by express: 3-5 working days
- By air: 7-10 working days
- By sea: 21-30 working days

Service and Support

- Professional technical support team (pre- / after-sales)
- Quality warranty service
- Return material approval policy and procedure

What's the difference between OEM / ODM Products?

Factor	OEM	ODM
Tooling & NRE	Paid for by the buyer	Paid for by the buyer
Product development time (Ref.)	4-6 weeks	4-10 weeks
Mass production time	No difference	No difference
Product spec sheet	Provided by the buyer	'Reverse engineered' by the buyer or provided by the supplier
Product compliance	No difference	No difference
Intellectual Property Ownership	IP owned by the buyer	IP owned by the supplier or another importer
Benefits	<ul style="list-style-type: none"> The suppliers are at their core OEMs. Often less hassle to buy OEM products. You can freely customize the product (within what is technically possible to make) You own the IP (as long as you protect it) 	<ul style="list-style-type: none"> Shorter development cycle Many ODM products can be customized to a certain degree You don't need to pay for the tooling
Disadvantages	<ul style="list-style-type: none"> You pay for the tooling It can take months to create new tooling 	<ul style="list-style-type: none"> Limited product selection (you get what the supplier can offer, which may only be a fraction of their list products) It is time consuming and complicated to reverse engineer a specification. It can often take more time than to design an OEM product from scratch Many other companies are already selling the same product, or they will in the near future. You don't own the IP of the product, and may even end up on the wrong side of an IP dispute.

What Customized Services Can We Provide?

Our customer-approved services is your best option

- ✓ Smart Wearable
- ✓ IoT Sensor Tag
- ✓ Bluetooth Beacon
- ✓ IoT Gateway
- ✓ Indoor Location Based Service
- ✓ Electronic Shelf Label
- ✓ IoT Module (Bluetooth / WiFi)
- ✓ MESH Deployed Products
- ✓ LTE & NB-IoT Supported Devices
- ✓ AoA RTLS Based Products
- ✓ UWB Tag
- ✓ White Label Service

HOW TO START YOUR OEM / ODM PROJECT?



If choosing our OEM / ODM service, all you need to do is to confirm the Customized Product Requirement List with us.
Requirements on:

General Ideas

- Functions of hardware and software
 - Your application scenario
 - Housing design, life time, etc.
 - Others (please specify)
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Mechanical / Industrial Design

- Size
 - Color
 - Assemble method
 - Battery
 - LOGO
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Hardware

- Main Control Unit
 - Sensor
 - On off mode
 - LED
 - Working conditions
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Firmware

- Specified functionality
 - Advertising data format
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Package

- Design
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Certification

CE, FCC, SRRC, MIC, KC, RCM, WPC, etc.

Product Reliability Test

- Waterproof
- Temperature
- Drop test
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WORK WITH US


**Give us an idea,
we will return a perfect solution.**



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