Alcom
e l e c t r o n i c s

Featured Supplier

JOR JIN TECHNOLOGIES

Jorjin Technologies Inc has become the leading supplier of wireless system-in-package (SiP) modules, application processor system on module (SoM) for Wearable application. Their mission is to rapidly get customer's ideas into the market. Through their development partner ecosystem, they provide a one-stop-shop solution covering antennas, camera modules, touch panels, lightening, 2.5-4G modems, software development and contract manufacturing. Together with Alcom Electronics we can help accelerate ideas – from concept to connectivity. Start with proven experience and all the development tools and resources you'll need.

Wireless connectivity, AR Smart Glasses and System on Modules
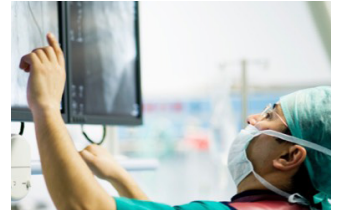
Applications & Markets

INDUSTRIAL

EDUCATION
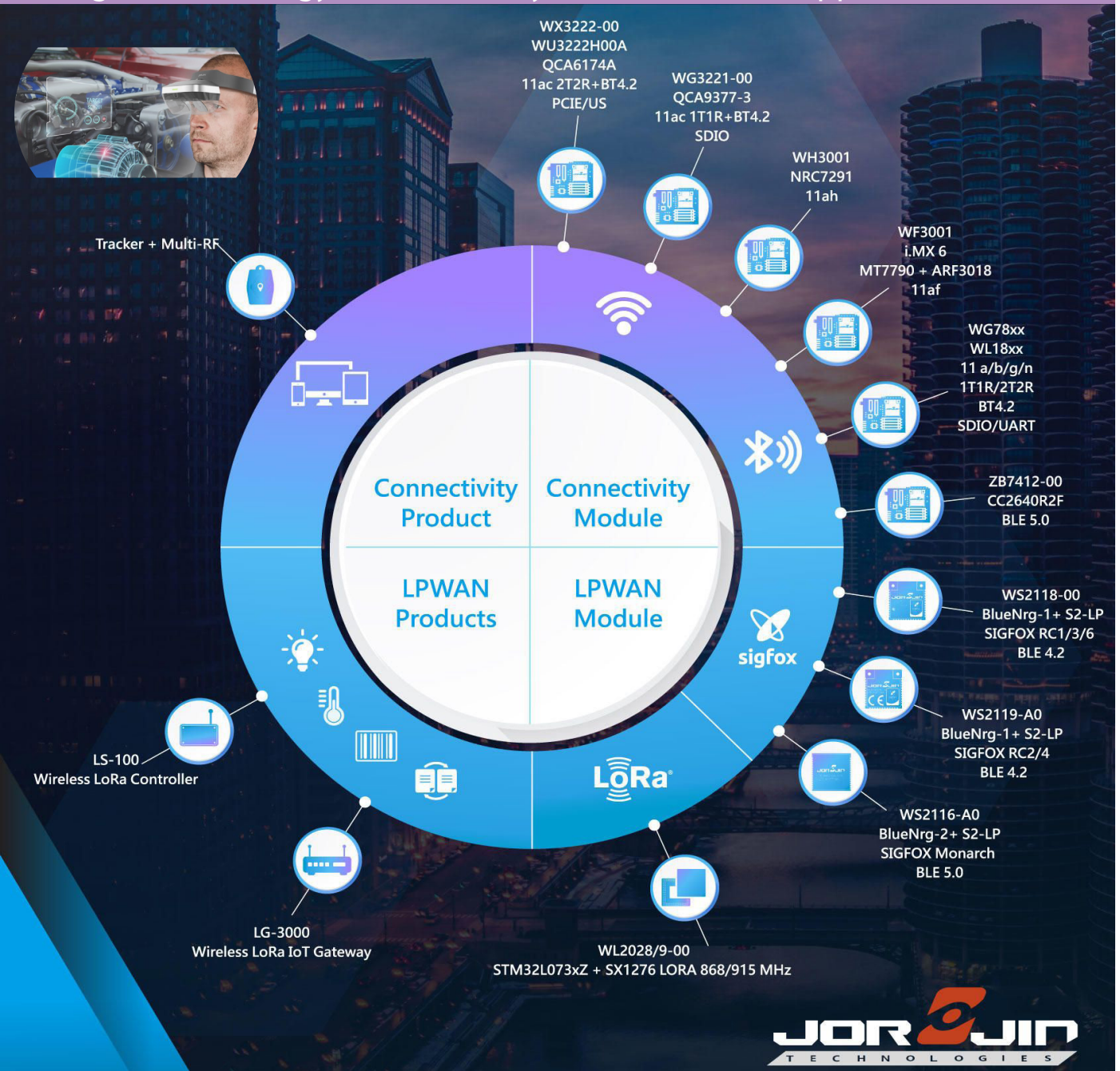

LOGISTIC

MEDICAL

FACTORY AUTOMATION

REMOTE MONITORING

HOME & BUILDING

WIRELESS COMMUNICATION

Smartglass Technology & Connectivity solutions for IIoT Applications

WX3222-00
WU3222H00A
QCA6174A
11ac 2T2R+BT4.2
PCIE/US

WG3221-00
QCA9377-3
11ac 1T1R+BT4.2
SDIO

WH3001
NRC7291
11ah

WF3001
i.MX 6
MT7790 + ARF3018
11af

WG78xx
WL18xx
11 a/b/g/n
1T1R/2T2R
BT4.2
SDIO/UART

ZB7412-00
CC2640R2F
BLE 5.0

WS2118-00
BlueNrg-1+ S2-LP
SIGFOX RC1/3/6
BLE 4.2

WS2119-A0
BlueNrg-1+ S2-LP
SIGFOX RC2/4
BLE 4.2

WS2116-A0
BlueNrg-2+ S2-LP
SIGFOX Monarch
BLE 5.0

Tracker + Multi-RF

Connectivity Product

Connectivity Module

LPWAN Products

LPWAN Module

sigfox

LoRa

LS-100
Wireless LoRa Controller

LG-3000
Wireless LoRa IoT Gateway

WL2028/9-00
STM32L073xZ + SX1276 LORA 868/915 MHz

JORJIN
TECHNOLOGIES

Wearables

J-Supporter
- Android OS available
- Headset only 27g

J-Reality
- Optimal computing performance empowered by Qualcomm® Snapdragon™ SD820 ARM processor

J4
- Realistic 3D & AR smart glasses
- Near-eye display for true 3D experience

System on Module

SDW-2500 System on Module
- Snapdragon™ Wear 2500 (APQ80009W)
- Qualcomm® Quad-Core ARM Cortex A7 (32 bit) at 1.094GHz
- Qualcomm® Adreno™ 304 GPU
- Qualcomm® Modem DSP

SD80 System on Module
- Snapdragon™ 820 (APQ8096)
- Qualcomm® Kryo™ CPU, Quad-Core, 64-bit, 2.2GHz
- Qualcomm® Adreno™ 530 GPU
- Qualcomm® Hexagon™ 680 DSP
- Qualcomm® Spectra™ ISP

Wireless Connectivity

LPWAN SIGFOX
- STM BlueNRG-1, S2-LP, sub-1GHz PA, 16MHz, 50MHz & 32.768KHz crystals, DC2DC, and U.FL connector on a single module
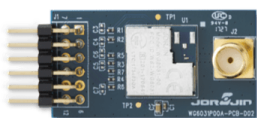
LPWAN LoRa
- High network capacity : 1 Gateway <> 500 nodes
- Hybrid-WAN support : 1G ETH, 2.4GHz/5GHz Wi-Fi, 3G/LTE (optional)
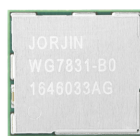- Support max.transmission distance of up to 10 KM

BLE
- TI CC2640R2F, 24MHz & 32.768KHz crystals, DC2DC, and chip antenna on a single module
- Built-in TI CC2640R2F 5x5mm RHB VQFN32 (15 GPIOs)
- LGA 25pins package

WiFi wireless connectivity module
- Dimensions: 38 mm (L) x 20 mm (W)
- IEEE 802.11b/g/n compliant RF transceiver
- SMA RF connector for external antenna

WiFi for CPU industrial SiP module
- IEEE 802.11 b/g/n
- External crystal oscillator / TCXO
- Dimension 12.8mm(L) x 12mm(W) x 1.7mm(H)

WiFi + BT for CPU
- 2.4GHz WLAN (b,g,n), BT(2.1/3.0/4.1)
- Integrated crystal, Tx/Rx switch and bandpass filter
- WLAN / Bluetooth coexistance circuitry

Sensing Solution

Barcode Engine
- Supports a wide variety of symbologies, incl. 1D, 2D and PDF417 barcodes

Sensing Solution

Bluetooth ring scanner
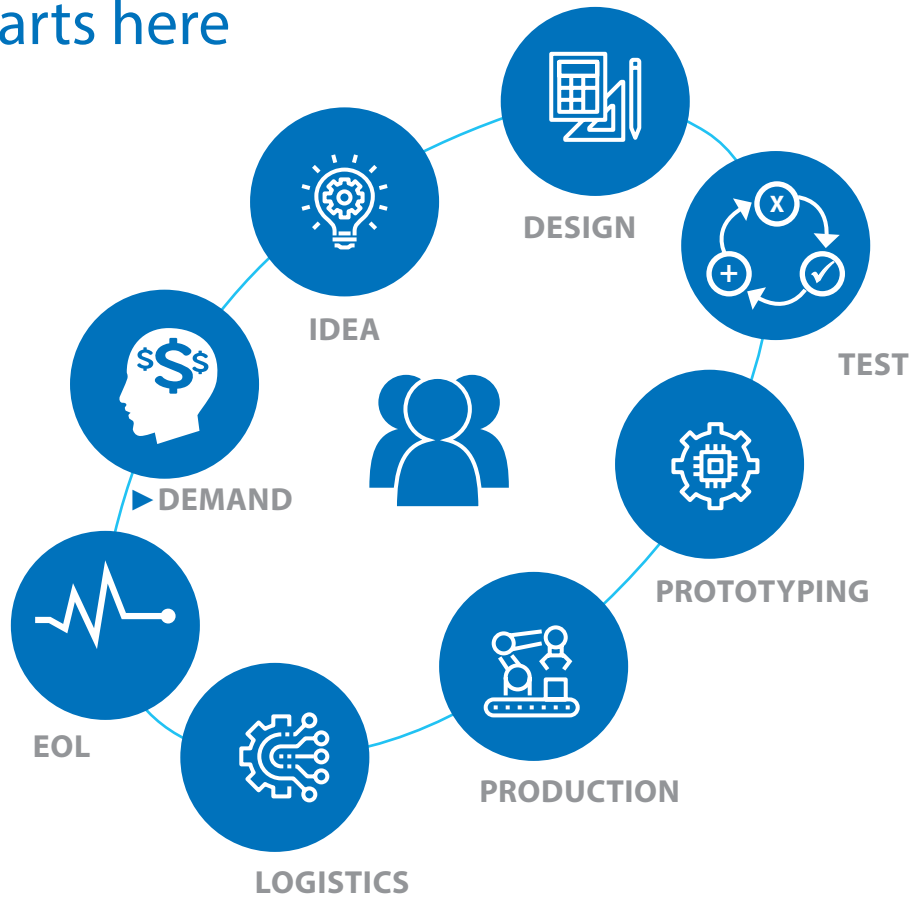- Reads 1D, 2D, and PDF417 barcodes

Sensing Solution

mmWave Radar
- Industrial Diagnostic & Environmental Monitoring

Sensing Solution

Tracker
- Low-Power Asset Tracking

Co-creation starts here

DESIGN

IDEA

TEST

▶DEMAND

PROTOTYPING

EOL

PRODUCTION

LOGISTICS

ELECTRONIC COMPONENT SOLUTIONS	• Semiconductors • Passives • Electromechanical • Photonics	• Wireless Modules • Wireless Boxed • Networking & Connectivity
WIRELESS & NETWORKING		

DISPLAY & TOUCH	• Display • Touch	• LED • Solid State Lighting
LED & SOLID STATE LIGHTING		

EMBEDDED COMPUTING	• SBC, CPU & IPC • Memory Storage • Rugged Mobile Computing	• Power Conversion • EMC
POWER & EMC		

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