



Industrial Mobility Solutions

Mobile Gateway, IoT and Communication Solutions

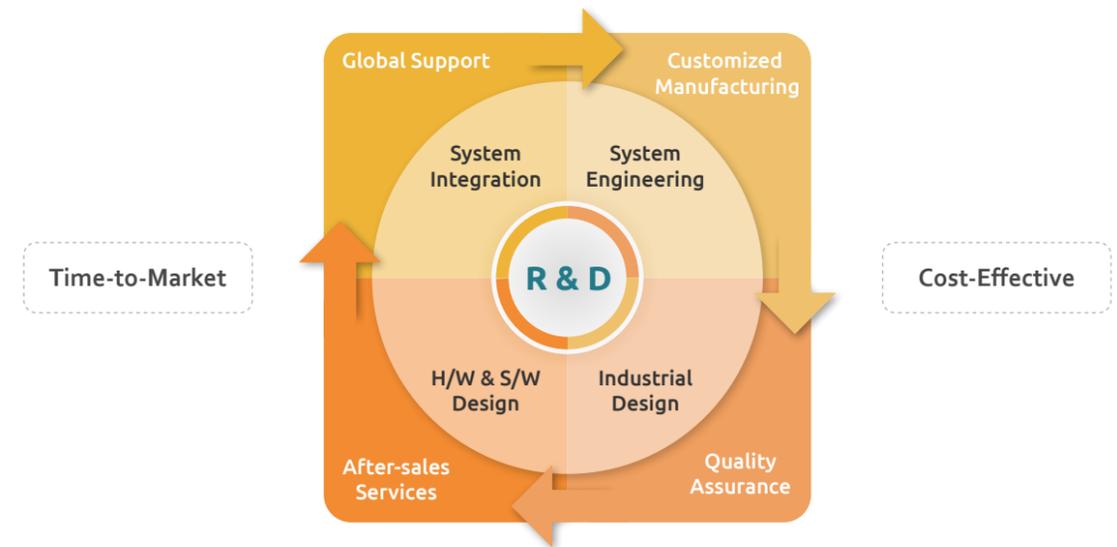
- Intelligent Retail Solution*
- Internet of Vehicles, Logistics Management*
- Industrial & Public Safety Solution*
- Explosion Proof Mobile Inspection Solution*
- Smart Healthcare Solutions*

About AMobile



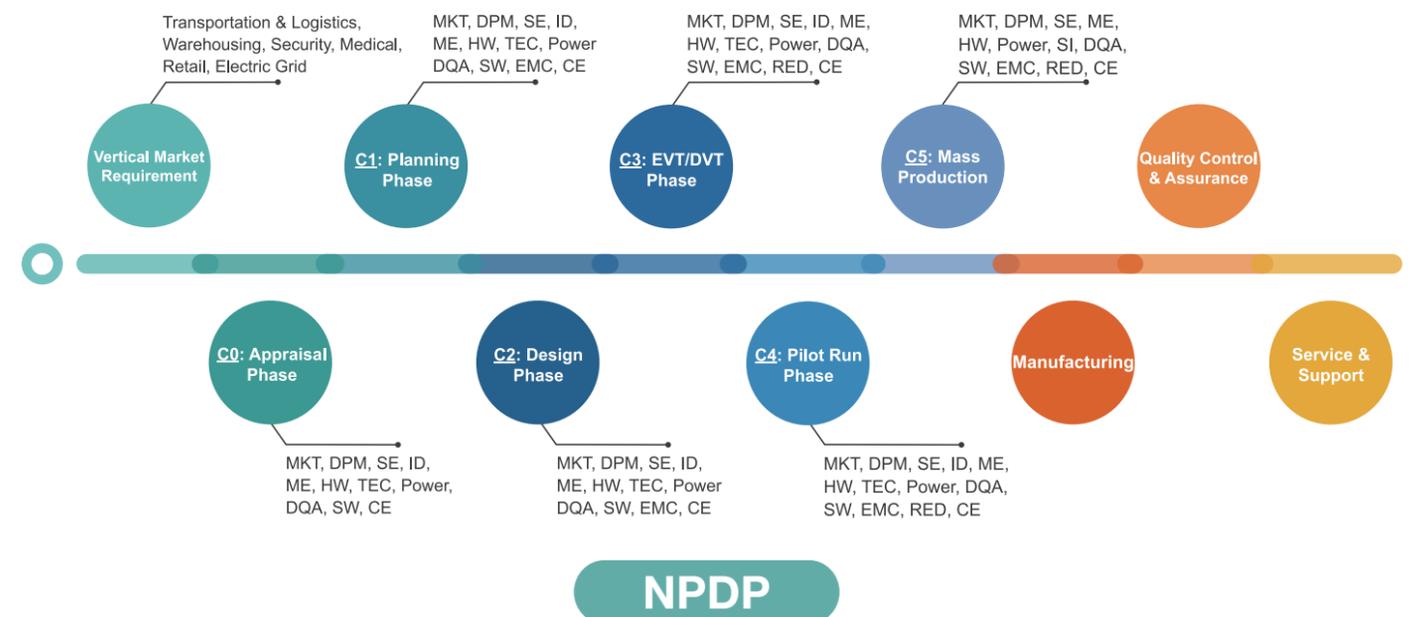
AMobile Intelligent established in 2013, a joint venture by ARBOR Technology and MediaTek. Expert in industrial mobile computing and solutions for industrial applications, including warehousing, logistics, manufacturing, and retail. AMobile Intelligent leverages group resources of IPC know-how, manufacturing, services and distribution channels from ARBOR, mobility technology and support from MediaTek. We are dedicated to be a reliable partner with our customers around the world through outstanding technologies, sophisticated designs, superior services, and well-connected gateway for IoT.

AMobile ODM Capability



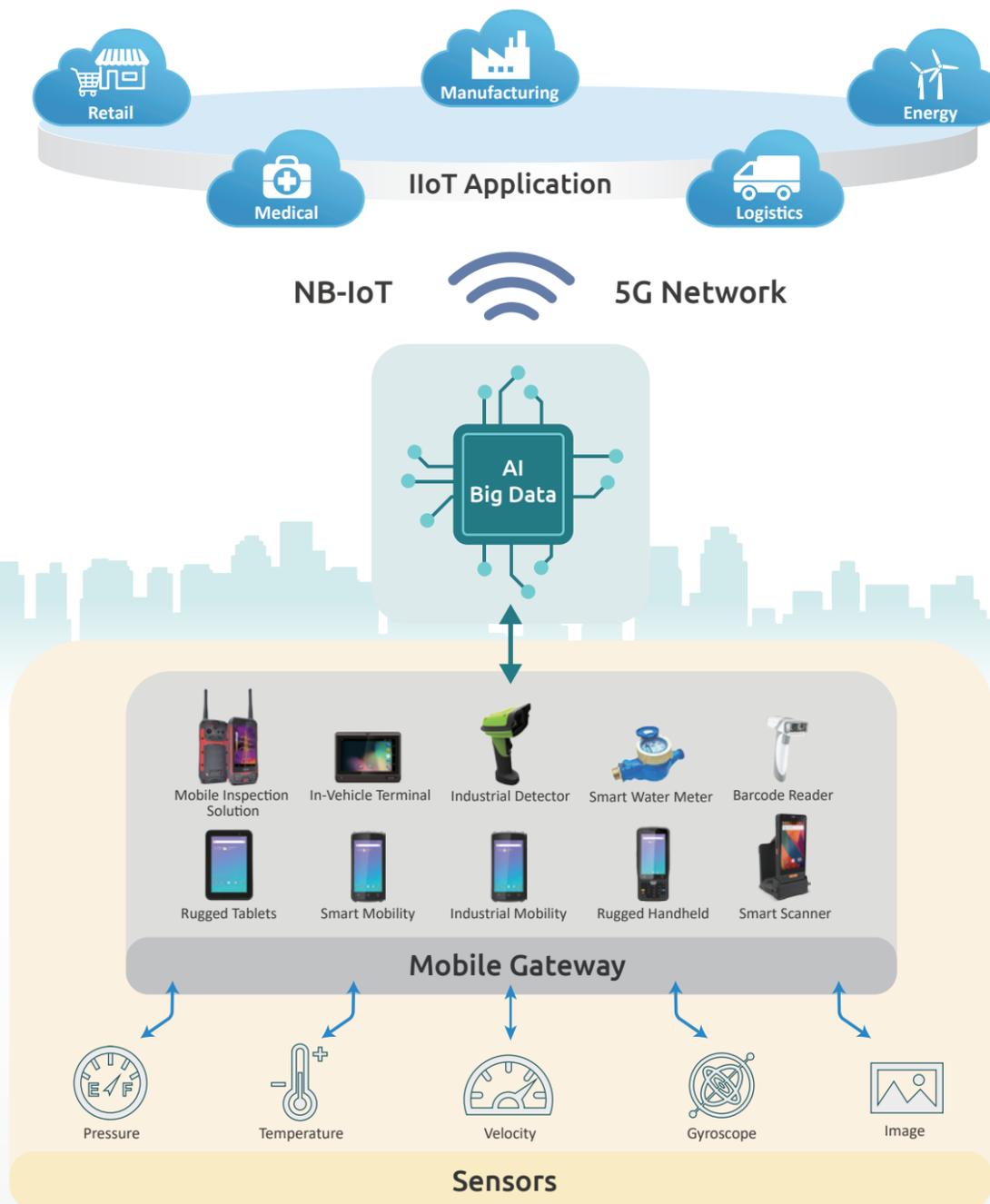
OEM/EMS

AMobile is a Taiwan based company providing ODM & EMS services for wireless devices based on the Android operating system. Since 2013, AMobile has been working with companies in helping to design and build innovative products that incorporate embedded Android OS at their core. Our range of products includes industrial grade tablets and handhelds, while our services include wireless device design, development, and manufacturing. AMobile offers full-range R&D technical services, including system engineering, industrial design, system structure, PCBA, hardware, firmware, software design, as well as system integration. By working closely with our customers and understanding their unique business needs, AMobile has developed customized solutions that drive product innovation, cost savings, supply chain efficiency, and improve time-to-market.



Mobile Gateway for IIoT

Dedicated to IIoT, AMobile develops mobile devices and gateways for data collection, wireless communications, local computing and processing, and connectivity between the field and the cloud. In addition, AMobile's unified management platform both monitors and manages not only mobile devices, but also IoT equipment in real-time, to fully realize industrial IoT applications.



Unified Management Solution

Mobile Device Management

AMobile provides comprehensive mobile device management services, adopting the most popular standard protocols, through the user-friendly online dashboard, find, track and update your mobile devices, empowering your workforce and enhancing productivity.



Provisioning & Configuration

- Set privacy
- Security policies
- Enforce compliance
- OTA firmware upgrade



Security

- Remote lock & dynamic password
- Remote data wipe
- Tracking location on map
- Secured mail and web storage



Group Management

- Hierarchical grouping of devices
- Execute task as a single device
- Tracking progress of group task
- Group task statistics



Flexible Architecture

- Multi-tenant
- Rest API
- Extremely scalable
- Fault Tolerance
- Power BI embedded integration



Application Management

- Applications deployment
- View installed applications
- Remotely activate / deactivate applications
- Software policy setting
- Remotely uninstall unwanted applications



Device Monitoring

- Device capabilities
- Battery status
- Memory usage
- Peripheral on/off
- Event setting
- Send notification while monitored events occurred

Intelligent Retail

Manage Every Stage of the Inventory Lifecycle

AMobile IoT devices can guide warehouse workers where each product is located - aisle, rack, and shelf. While goods are picked or put away with RFID or barcode technology, the database is remotely updated via Bluetooth® or wireless LAN. With these devices, warehouse workers can get more done in less time.



G47

Mobile Ordering Terminal



Docking Station
 - USB-C Port
 - Fast Ethernet
 - Fast Charge



Pistol Grip
 - Ergonomic Design
 - Plug and Play Design



G47-P

Mobile Ordering Terminal



Thermal Printer
 - Easy Attachment



G0830

Streamlining Store Operations



Multi-Function Cradle
 - 3x USB 3.0
 - HDMI Out
 - Card Reader
 - RFID/NFC



PC1017

Enhancing Customer Experience



Barcode Scanner
 VESA Mounting Kit
 NFC Support



ALBA POS

Enhancing Customer Experience



VHF Display
 MSR Reader



HT10

Rugged Android Tablet



Charging Cradle with LAN support



Slim, Light & Durability Combined

Mobile Computing Device G47

Features

- Android 11 with GMS support
- Embedded 1D/2D barcode reader and physical trigger button
- Ruggedized design with IP67 rating
- Implementing fingerprint sensor security authentication
- Precise GPS navigation with barometer integrated
- 243g lightweight design for everyday use



Slim, Light & Durability Combined

G47 is an industrial-grade Android device, lightweight design for everyday use works perfectly in field applications, such as retail, healthcare, logistics, and more.

High performance MediaTek platform



G47 is powered by MediaTek's MT8768 ARM processor, the efficient octa-core processor provides high productivity with Android 11 operating system, G47 also supports GMS, which enable itself to be versatile and support variety of apps.

Versatile Design for Retail

G47 has a consumer smartphone exterior, but rugged design for work environments, suitable for retail applications such as inventory management, or ordering terminal. G47 also has variety of accessories including LAN enabled charging cradle, holsters, protective case, thermal printer and pistol grip.



Reliable and Stylish EPOS System

ALBA POS

Features

- 15" True-Flat PCAP touch display
- Fan-Less design
- Easy accessible 2.5" storage drive bay
- Die-casting aluminum stand
- Rich I/O with 4x USB, 1x Gigabit LAN, 1x RJ11, 3x COM Ports



Designed for Versatile Retail POS Setup

POS terminal needs to be reliable for long hours of operation. All areas of the POS terminal are accessible for cleaning without difficulty. If you remove the back cover, there is plenty of space available for cable management. With highly reliable touch display and an efficient Quad-core processor, ALBA POS is suitable for any kind of retail point-of sale-needs.



Responsive and Reliable

POS terminals are often stationary once installed. To reduce the hassle of repairs and updates, we designed its storage bay to be externally accessible with a removable hard drive bay that uses thumb screws.



10" ARM-Based Panel PC

PC1017 Android Price Checker

Features

- Quad-Core ARM Cortex-A35 CPU 1.5Ghz
- Price verification/updates in retail application
- 10.1" LCD display
- 10-point projected capacitive multi-touch
- H.265/HEVC video decode
- PoE connectivity (PD)
- Operating temperature: 0~40°C



PC1017 has a built-in 1D/2D barcode scanner for price checking application, suitable for large department stores where staff might not be around at all times, PC1017 support PoE, it is IoT enabled, it can be digital signage when price checking is not in used, and with the built-in NFC reader, it can be combined with membership cards for in store promotions.



AMobile's PC1017 was implemented in one of Europe's supermarket chain as product and price information checking terminal.

International sports gear and equipment chain store chose PC1017 as their price checker as well as using their membership card for discount information.

10" Rugged Android™ Tablet Device

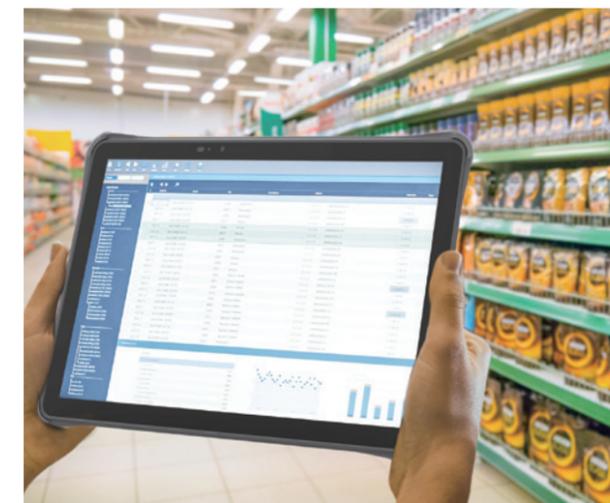
HT10 Rugged Tablet

Features

- Compact Design, easy to carry
- Android 11 operation system
- Rugged design for work
- High performance MediaTek Octa-Core platform
- Support WiFi and 4G/LTE



Shoppers are more informed today the higher expectations on service efficiency and effectiveness. Designed for extensive use, AMobile's HT10 industrial rugged tablet terminal for retail can be used for check-out, inventory management, shelf stocking and price lookups, helping retailers take a more proactive and adaptive approach to enhance customers' experience and operation efficiency.



MEDIATEK

Powered by **android** 



10000mAh Hot-Swappable

Internet of Vehicles

Improving Safety On The Move

Human error can be avoided by IoV technologies which allow vehicles to communicate, including with other vehicles, surroundings, pedestrians, and drivers. AMobile's IoV rugged devices GT78-VN and IoT-800N can monitor drivers' behaviors on the road and facilitate fleet management.

GT78-VN

Empowering Safety On the Road



Vehicle Mount holster



IoT-800N

Empowering Safety On the Road



VESA Mounting Support



Warehousing & Logistics

Streamlining Storage & Delivery Systems

Warehousing has to synchronize with logistics so that smooth delivery services can level up customer experience with the firm and the goods can be flawlessly received by the customers on time. Through AMobile's warehousing and logistics management systems, integrated supply chain and customer satisfaction are guaranteed.

K430

Rugged Handheld with Keypad



Charging Cradle



10" Rugged Android™ Tablet Device

HT10 Rugged Tablet for Warehousing

Features

- Rugged Design for drop resistance
- 10000mAh Hot-Swappable battery
- 10.1" multi-touch IPS display
- High performance MediaTek Octa-Core platform
- Support WiFi and 4G/LTE

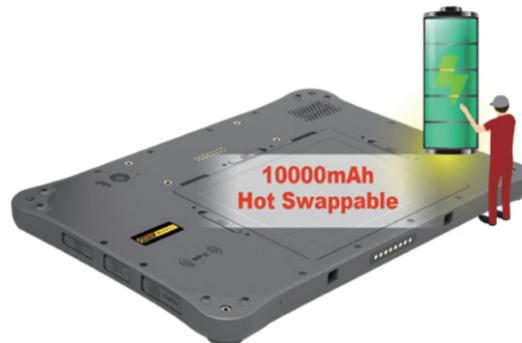


HT10 is a 10inch Ruggedized Tablet for Field work, Warehousing and Logistics, what makes it stand out is the latest MediaTek Octa-Core processor that's running on Android 11 operating system, and rich communication capability with WiFi and 4G/LTE support, built in 1D/2D barcode scanner and a 10000mAh large hot-swappable battery aims to enhance work efficiency and durability.



Built-in high quality 1D/2D barcode scanner is designed for warehousing applications, the 10.1 inch FHD IPS multi touch display allowing maximum screen estate while remain rugged.

HT10 is designed with a large 10000mAh hot-swappable battery, allowing the device to continue working without interruptions.



Limitless Versatility

RISC-Based Panel PC IoT-800N

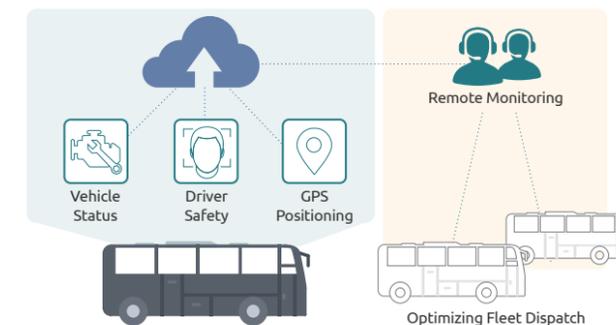
Features

- Rockchip PX30
- Built-in Can BUS and OBD-II for fleet management applications
- 8M front camera for in-vehicle surveillance
- Multiple I/O including LAN, USB 2.0, and RS-232 support
- Global band LTE module; a single module for different countries and supporting positioning simultaneously



Rugged & Reliable

IoT-800N is an 8 inch HMI based on the powerful Quad-core ARM Cortex-A35. IoT-800N is integrated with a high resolution display, capacitive touchscreen, and computer into one easily deployable package. The terminal is engineered to operate in high shock, vibration, and wide temperature environments (-20°C ~ 70°C).



IoT-800N in ADAS

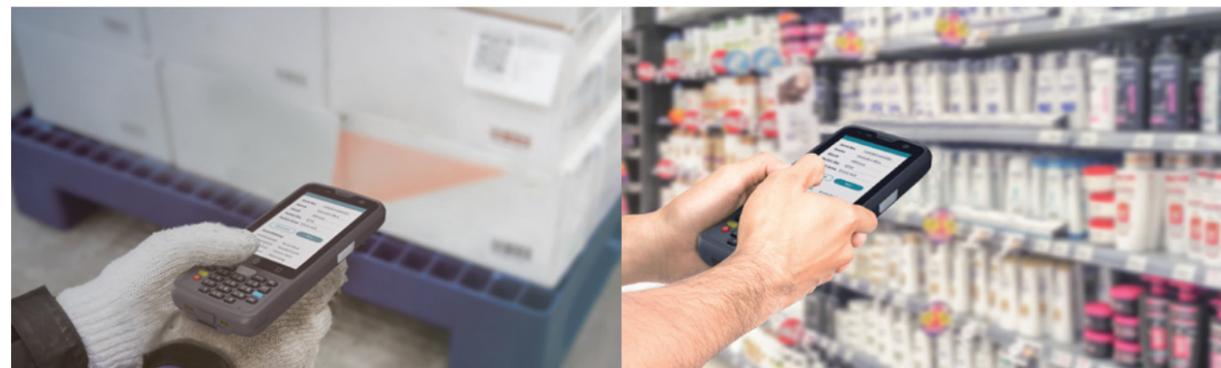
With the high performance and CAN Bus support, IoT-800N is suitable for vehicle applications, including Passenger Safety, Fleet Management and more.

Slim, Light & Ruggedized

Mobile Computing Device K430

Features

- High resolution barcode scanner, support multi-scan function
- Equipped with a 4850mAh high capacity battery
- Support continuous barcode scanning up to 5 hours
- 4 inch multi-touch display and physical keyboard
- IP65 rating, 1.5m drop resistance



Real Work Needs Real Performance

K430 is the new addition to AMobile's rugged handheld lineup. This Android based handheld device has a numeric keypad, built-in 1D/2D barcode scanner, and is equipped with a large 4850mAh battery, which will easily last for the entire working shift, making the device suitable for warehousing, inventory, delivery and more.

Rugged Mobile Computing Device with Keypad

K430 has 4 inch multi-touch display, physical keypad, and slim design. A high capacity battery allows 12 hours work time, and requires only 3 hours to charge up with fast charge, suitable for warehousing and logistics applications.



Support Multi-Scan Function



4850mAh High Capacity Battery



Multi-touch Display & Physical Keypad



1.5m Drop Resistance

Barcode & DPM Scanning

K430 supports tilt scanning, reading barcodes from any angles. Even if there are stains or scratches on the objects, it can still clearly and easily support barcode and DPM scanning. K430 streamlines the entire warehousing, inventory, and delivery operations.



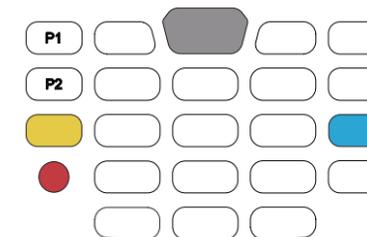
Examples of Damaged Barcodes



DPM Barcodes

Customized Physical Keypad

K430's easy-to-use touch screen with physical keypad and numeric keys is slim and lightweight, enabling users to fit in one hand for the operation and switch functions quickly. Two customized keys in the upper left corner are designed for more user-friendly applications.



Customized Physical Keyboard



One Hand Operation

Slim design, Large Capacity

- 20mm thick, quipped with a 4850mAh high capacity battery
- 12 hours work time & 3 hours fast charge
- Support continuous barcode scanning up to 5 hours
- Support up to 3GB RAM
- Support up to 32GB Storage



Engage Business Anytime, Anywhere

Vehicle Mount Tablet GT78-VN

Features

- MIL-STD-810 & IP-65 certified
- Integrated Wi-Fi 802.11 a/b/g/n & Bluetooth 4.1
- Dual SIM card for dual network access providing maximum coverage
- Replaceable battery with optimized battery life
- 1D / 2D Barcode scanner with physical trigger button
- NFC / RFID Reader



Real Work Needs Real Performance

GT78-VN is powered by MTK Octa-Core CPU, and supports Android 11 operating system. It's built for Warehousing, Retail, Fleet Management, and Healthcare applications. As a single handheld device, GT78-VN can reliably capture images, scan barcodes, and collect payments.

Less Paper, More Actions

Through its built-in ultra slim 1D/2D barcode scanner and real-time system, GT78-VN can empower mobile workers to work better, faster, and smarter. Furthermore, GT78-VN enhances workers productivity and streamlines business process, especially by integrating barcode scanner into one single device.

Applications of GT78-VN



Fleet Management

GT78-VN support 4G/LTE, suitable for fleet management, GT78-VN is used in large carrier service in Europe.



Autonomous Driving Tractor

To combat the rising issue of aging society, autonomous tractors are used to help to relieve agriculture workloads, GT78-VN is integrated into the tractors with GNSS antenna, providing the suitable platform for Software and Hardware necessary on operating autonomous tractor vehicle.



Golf Kart

Gold Karts with GT78-VN with high precision positioning allows establishments to offer course details including measurements on distance and elevation, as well as ordering terminal for other goods and services.

Industrial, Public Safety & Smart City

Mobile Gateway, IoT and Communication Solutions

AMobile's public safety and smart city IoT solutions enable users to collect, process, and analyze data. Better decisions can be made for assets and resources management.



TIM-048

Infrared Thermal Imaging Solution



- HMI**
- VESA 75
 - COM Ports
 - LAN Ports
 - WiFi

- IB004**
- Magnetic Mounting
 - WiFi

G70

Long Range Mobile Inspection



- Dedicated Charging Cradles**
Thermal Camera
Push-to-Talk Microphone
G70U Long Range Scanner



G60

Mobile Inspection Solution



Charging Cradle
Hand Strap



Smart Water Meter

IoT Water Meter Reading Solution



IP68 Seal
Support External Battery

IB006

NB-IoT Sensor Solution



- NB-IoT Evaluation Kit**
- Sensor
 - Vibration Sensor
 - Brightness Sensor

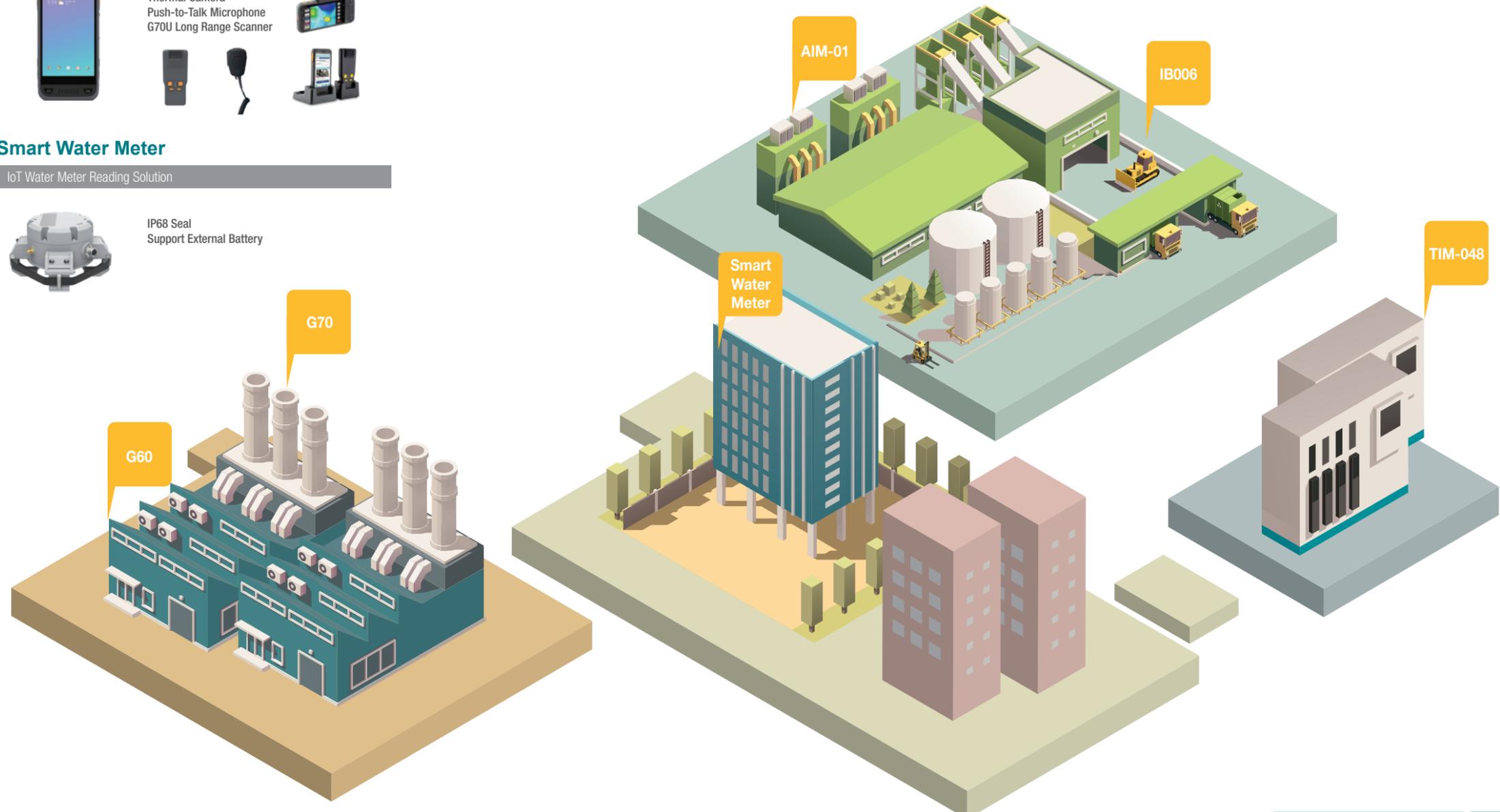


AIM-01

Smart Meter Reading Solution



Vision AI Meter Recognition
IoT Enabled Transmit Recognition Results



Thermal Imaging Solution for Electrical Switchboard

TIM-048

Features

- Real time monitoring, preventive maintenance
- Contactless multi-point temperature monitoring
- Suitable for electrical switchboards, industrial motors
- Suitable for field area with high voltage equipment



Wide Coverage, Early Warnings for Industrial Safety

TIM-048 is designed to monitor multiple heat points for equipment safety and operating condition, TIM-048 can also monitor surrounding environments at the same time.



Preventive Maintenance



Contactless



Accurate Thermal



Support Glove Touch

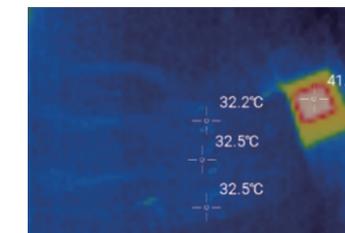
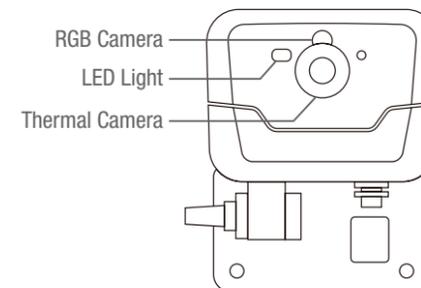
360 Degrees Mount with Magnets

With easy deployment, setup, and installation, TIM-048 is easy to install with its 360 degree, strong magnet and screw mount.

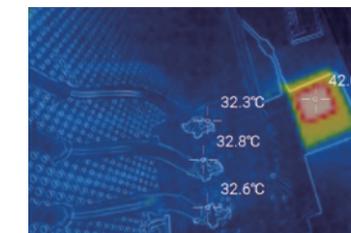


Setup Heat Points in Extreme Low Light

The inside of a switchboard can be too dark for a thermal camera to recognize the shape of the objects. We fitted an RGB camera and LED to help draw out object outlines, or use an actual image to see the detection points.



Without RGB Camera

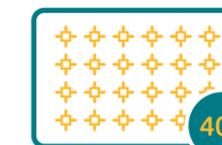


With RGB Camera & LED

Support Multiple Thermal Cameras



Connect via direct WiFi or via Wireless router network

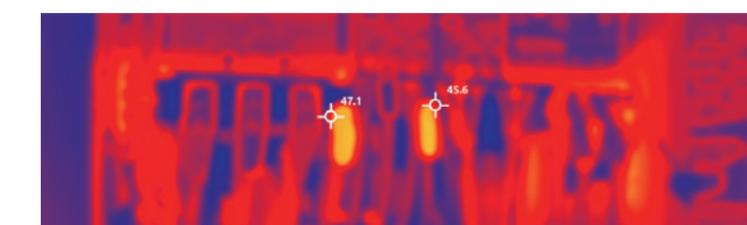
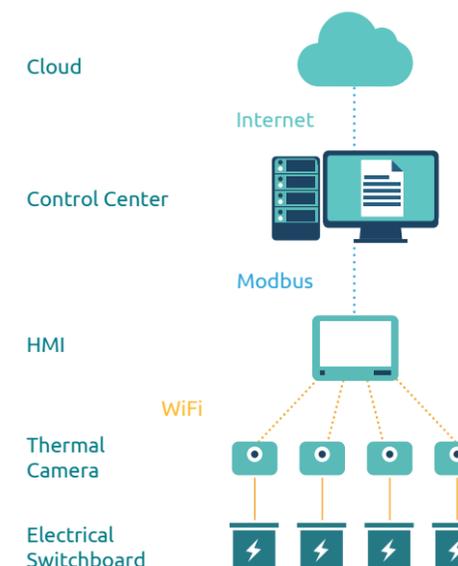


Each HMI supports up to 4x Thermal Cameras and 40 Thermal Points for detection, maximizing area coverage.

Application Scenario : High Voltage Electrical

Conventional safety measures include point-to-point thermal sensors and smoke detectors. These solutions require additional systems to operate and are meant for detection after fires have already occurred.

TIM-048 is used in high voltage industrial electrical switchboards to monitor connection joints, live wires and internal environmental conditions.



Mobile Inspection Solution with Explosion Proof

Mobile Inspection Assistant G60

Features

- High performance with Octa-Core ARM Cortex-A53 1.3Ghz CPU
- Rich wireless communication via WorldMode 4G LTE, PTT (Pust-to-Talk), Bluetooth, WiFi, GPS
- Multi-data capture via thermal imaging, NFC, UHF (Optional)
- High resolution images with 13M camera and HD display
- Long time operation up to 10 hrs with a battery capacity of 5100mAh
- Robust design with waterproof of IP67 rating and 1.5m drop resistance



All-In-One Solution to Mobile Inspection Pain-Points

AMobile's Handheld inspection solutions are suitable for factories and hazardous environments, its ruggedized and multi-purpose design with explosion proof certification eliminates the needs to carry multiple devices, as well as the digitized inspection process while remaining safe to use in a hazardous environment.



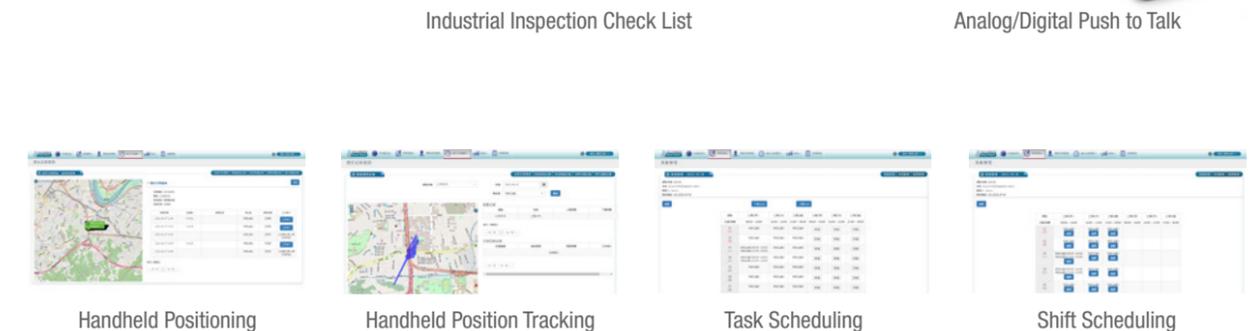
Application Scenario – Petrochemical Plant



G60 Mobile Inspection – for work progress logging / report, inspection



NFC Worker Authentication



Mobile Inspection Solution

Mobile Inspection Assistant G70

Features

- High performance MediaTek MT8768 Octa-Core processor
- Rich wireless communications via WorldMode 4G LTE and PTT (Push-to-Talk)
- Robust design with IP67 rating and 1.5m drop resistance
- High mobility with multiple-connectivity including WLAN, BT, WWAN and LoRa.
- Supports external speaker for Walkie Talkie
- Multi-data capture by optional long range barcode scanner(21M) and UHF RFID Reader (8M)



1.5m Drop Resistance



5100mAh Battery



IP67 Rated

Designed to suit the needs of various industrial inspection operations, allows a tailored experience from an extensive G70 solution to a more simplified G70S solution.



Long-range barcode scanner built to collect data for industrial inspection operations from a safe distance



4G Uploads



PTT Function



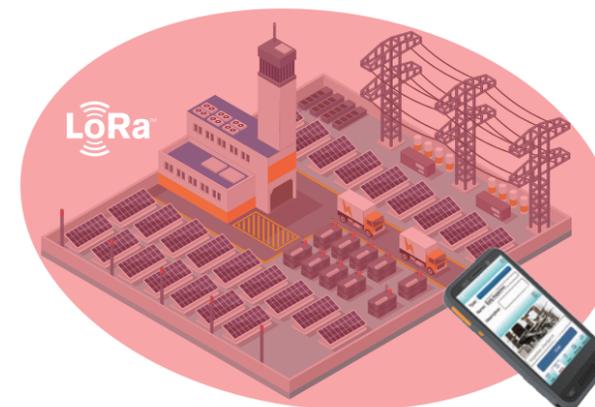
LoRa Sensors



Rugged Design

Hazardous Equipment Inspection

G70 Plus supports extra long range barcode & UHF RFID reading. Collected data will automatically be transferred to main unit via Bluetooth without touchscreen operation needed.



LoRa Enabled Mobile Data Collection

Eliminates Dead Zone that presents static connectivity creating a more conclusive coverage with sensor deployment.

Smart Healthcare

Smart Healthcare with IoT Solutions

AMobile provides series of Smart Healthcare IoT Solutions to improve lives with vital signs monitoring. The Smart Healthcare IoT Solutions can collect, process, and analyze users' and care receivers' health data for better management, treatment outcomes, and preventive care, enhancing care givers and receivers experience.

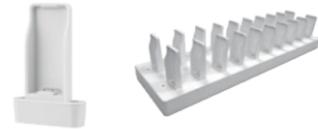


W600

Smart Healthcare Wristband



Single Charging Cradle
Multi Charging Cradle



S409

Unibody Fever Screening Solution



Power Adapter with M8 Connector

S408

Fever Screening Solution



Active Calibration
Tripod Stand Bracket with Magnetic Mount



Healthcare ODM Service

Customization for Your Projects

From custom labels to ID design to I/O expansion and more, AMobile's healthcare product team provides experienced system integration and professional healthcare board to system solutions with manufacturing flexibility for custom projects around the globe.

All of AMobile's healthcare products are built to meet international standards for reliable and consistent operation in medical environments, rest assured that Amobile's solutions meet your needs.



- ISO 9001
- ISO 13485
- ISO 14971



Software Support

AMobile's experienced Software team can help you customize system splash-screen, customized firmware, function supports and more!



Private Label

Take our existing standard product and make it your own with custom labels, customized button colors and housing customizations to meet your requirements.

Function and Enclosure Customization

We can customize different modules to fit various applications such as barcode scanners, cameras, RFID or other functions.



Full Customization

AMobile offers one-stop-shop ODM service, from ID design, tooling, and manufacturing to certifications to fulfill your requirements.

Unibody Temperature & Face Mask Screening Solution

E-Guardian S409

Features

- Support Android 9.0
- Multiple connectivity including WLAN, WWAN, Bluetooth, and 2G/3G/LTE
- IP65 rated water and dust resistance
- Drop proof up to 1.2m
- Competitive size and easy to install
- Unibody device for the body temperature and face mask screening



Next generation compact epidemic prevention screening solution, the unibody design integrates high performance ARM-Based system with thermal camera solution to provide fast, compact, easy to deploy, highly stable and high accuracy with its built-in calibration system, suitable for fever and mask screening at offices and entrances.

Built-in high quality 5 inch multi touch display and Android 11 operating system, supporting 4G/LTE, WiFi and Bluetooth

Support standard VESA-75 mounting

Reduced sized Active Calibration design, maintain high accuracy and reduce effects of environmental variables



- AI detect mask
- Small footprint
- Support wireless video casting for monitoring
- Built-In Active Calibration for high accuracy
- AI exclude hot objects
- Easy mounting method

S409 Use Scenario



Deploy S409 at the entrance, using VESA Mounting or Standard Tripod



Voice Reminder for Mask Wearing, Voice Warning for Possible Fever



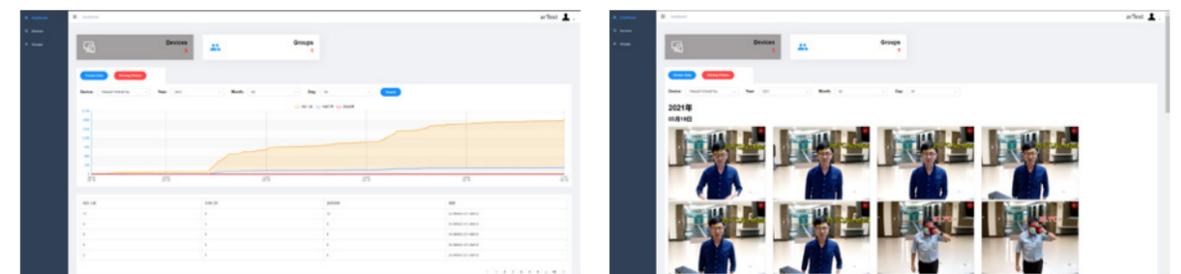
Provide SDK for Software Customization



QRCode Registration(optional)



Screen can be cast to a counter monitor, location staff is not required to post next to the fever screening solution



The cloud stores uploaded data, graphs for trend and analytics, also support messaging service for warnings.

Continuous Health Monitoring Solution

W600 Smart Wrist Band

Features

- High precision sensor modules
- NFC/Bluetooth
- LED touch display
- 1.5m drop resistance
- Touch display switch modes
- Long battery durability
- Lightweight charging cradle
- IP68 water and dust protection



Achieves Smart Healthcare

Continuous monitoring for health data gives an insight into users' health condition and healthcare management.



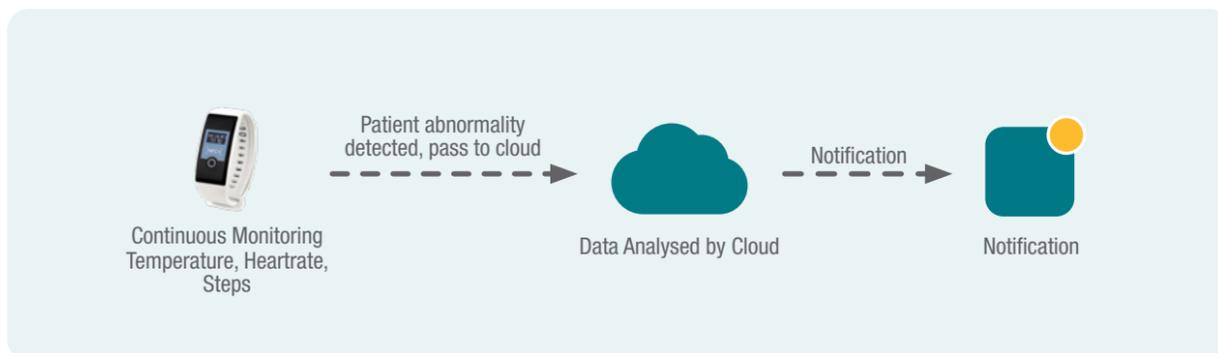
Real-Time Monitoring



Precise Reading



Cloud Integration



Health Monitoring for Long-Term Care

Continuous Monitoring for Big Data

Easy to use mobile APP, stay connected with the cloud, sending temperature, heartrate and location information to the cloud.

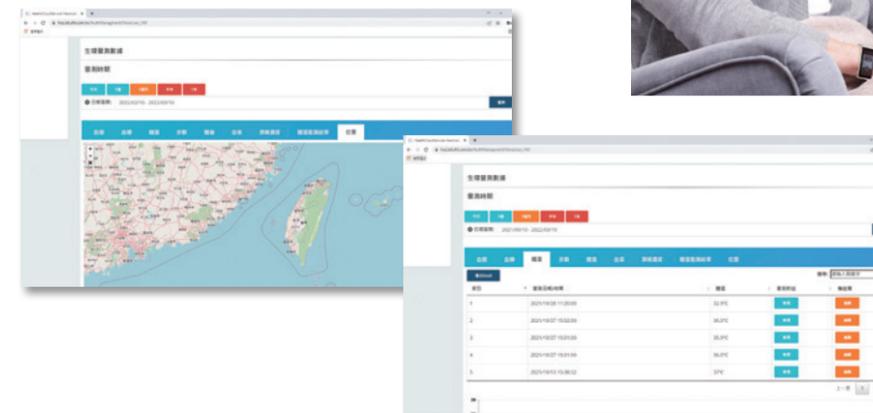
- Support Android & IOS operation systems
- Display Temperature
- Display Heart-Rate
- Temperature & Heart-Rate Warning
- Trend



Take Preventive Action with Cloud Management

With the cloud W600 solution is able to alarm care givers if the residents are likely to have abnormal readings for care giver to take preventive action.

Cloud based server with Web based UI, administrators can easily monitor temperature and heart-rate history, trends, and current status, as well as location information.



Selection Guide

Handheld Devices



Model	K430	G47	G70		G60
	-	-	G70S	G70U	-
Dimensions (WxHxD)	73/68 x 164 x 23/20 mm	77.5 x 158 x 22 mm	83 x 169 x 19.9 mm	68 x 178 x 20 mm	83 x 169 x 19.9 mm
CPU	8*Cortex-4*A53 2.0GHz/ 4*A53 1.5GHz	8*Cortex-4*A53 2.0GHz/ 4*A53 1.5GHz	8*Cortex- 4*A73 2.0GHz/ 4*A53 2.0GHz	Qualcomm Snapdragon 450/ 8* Cortex A53, 1.8 GHz	8*Cortex- 4*A73 2.0GHz/ 4*A53 2.0GHz
Operating System	Android 9	Android 11	Android 9	Android 7.1	Android 9
Memory	2GB, up to 4GB	3GB	6GB	2GB	6GB
Storage	16GB, up to 64GB	32GB	128GB	16GB	128GB
Camera	N/A (Front) 1 x 8 MP AF (Rear)	1 x 5.0 MP (Front) 1 x 13MP AF (Rear)	1 x 13.0 MP (Front) 1 x 21MP AF (Rear)	-	1 x 13.0 MP (Front) 1 x 21MP AF (Rear)
Thermal Camera	-	-	-	-	-
WLAN	802.11 ac/a/b/g/n, 2.4G & 5G Dual Mode	802.11 a/b/g/n/ac/r 2.4G+5G	802.11 a/b/g/n/ac/r	IEEE 802.11 a/b/g/n (2.4G+5G)	802.11 a/b/g/n/ac/r
Bluetooth	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 5.0
WWAN	TDD-LTE / FDD-LTE / UMTS/ HSDPA/ HSPA/ HSPA+/ GSM/EDGE/GPRS (850/1800/900/1900MHz)	BC0/GSM/GPRS/EDGE Multislot Class / W-CDMA / CDMA2000 1xEV-DO Release 0 / E-UTRA Bands Supported	Private network 4G module-1.8GHz / LTE / 230MHz SX1262 LORA	Private network 4G module-1.8GHz / LTE / 230MHz SX1262 LORA	Private network 4G module-1.8GHz / LTE / 230MHz SX1262 LORA
LAN	-	-	-	-	-
GPS	Yes	Yes	Yes	-	Yes
Audio & Vibrator	1 x Speaker, 1 x Mic, 1 x Headphone Jack	1 x Mic, 1 x Speaker	1 x Vibrator, 1x Receiver, 1 x Speaker, 1 x Mic, 1 x Headphone Jack	-	1 x Vibrator, 1x Receiver, 1 x Speaker, 1 x Mic, 1 x Headphone Jack
SD Card Slot	1 x MicroSD	1 x MicroSD	Support SDIO 3.0 protocol (up to 32G)	1 x Micro SD up to 32G	Support SDIO 3.0 protocol (up to 32G)
USB Port	1 x Micro 5-pin USB cable	1 x USB Type C	1 x USB Type C	1 x USB 2.0	1 x USB Type C
Display	4"	5"	5.46"	-	5.46"
Max Resolution	800 x 480	1280 x 720	1920 x 1080	-	1920 x 1080
Touch Screen	Projected Capacitive 5-Point Multi-Touch	Projected Capacitive 5-Point Multi-Touch (With Glove Support)	Projected Capacitive 5-Point Multi-Touch	-	Projected Capacitive 5-Point Multi-Touch
Power Adapter Input	100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC
Power Adapter Output	5V/2A, 9V/2A (Quick Charge), 12V/1.5A (Quick Charge)	5V/2A, 9V/2A (Quick Charge), 12V/1.5A (Quick Charge)	3.7V	5V, 2A	3.7V
Battery	1 x 4850 mAh	1 x 4000mAh	1 x 5100mAh	1 x 4200mAh	1 x 5100mAh
Barcode scanner	1D/2D	1D/2D*	Yes	Yes	Yes
RFID / NFC	NFC*	NFC	NFC	RFID (UHF)	NFC
Certification	FCC/CE/NCC/CCC	CE, FCC, NCC, CCC, Ex ic IIC T5 Gc X, Ex ib IIB T4 Gb	CCC	-	CCC
Accessories	USB Cable, Charger, Desktop Cradle, Hand Strap	Pistol Grip, USB-C Docking Station with Fast Ethernet and Charging	Hand Microphone, Charging Cradle, UHF, Barcode	Charging Cradle	Hand Microphone, Charging Cradle, UHF, Barcode

*Optional

Selection Guide

8"-10" Mobility Devices



Model	HT10	PC1017	IoT-800N	GT78-VN	Gladius G0830
Dimensions (WxHxD)	246.1 x 164.2 x 14.9 mm	248.3 x 194.4 x 35.2 mm	218.2 x 162.7 x 46.5 mm	147 x 220 x 20.9 mm	208.5 x 150.6 x 27 mm
CPU	MT8788 Octa-core A73 2.0GHz / Quad Core Cortex A53 2.0GHz	ARM Quad-Core Cortex A35 1.5Ghz	ARM Cortex-A35 Quad-core	Octa-core 4*Cortex A73 2.0GHz / 4*Cortex A53 2.0GHz	Intel® Atom™ x5-Z8350 Processor
Operating System	Android 11	-	Android 8.1 (BTO service for Buildroot)	Android 11	-
Graphics	-	Intel® HD Graphics	-	-	Intel® HD Graphics
Memory	4GB / 6GB (LPDDR 4X)	2GB DDR4	2GB DDR4	3GB	2GB DDR3L
Storage	64GB / 128GB	16GB	16GB	32GB	64GB
Camera	1 x 8.0 MP (Front) 1 x 13MP AF (Rear), 1 x Flashlight	1 x 2.0 MP*	1 x 8MP (Front)	1 x 5.0 MP (Front) 1 x 13MP AF (Rear), 1 x Flashlight	1 x 2.0 MP (Front) 1 x 8.0 MP, AF (Rear)
WLAN	802.11 a/b/g/n/ac	802.11 a/b/g/n	IEEE 802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
Bluetooth	Bluetooth 4.2	Bluetooth 4.0 BLE	Bluetooth 4.2	Bluetooth 5.0	Bluetooth 4.1
WWAN	TDD-LTE / FDD-LTE / UMTS/ HSDPA/ HSPA/ HSPA+ (900/2100 MHz) / GSM/EDGE/GPRS (850/1800/900/1900MHz)	*	WCDMA/LTE, Mini PCIE Interface*	TDD-LTE / FDD-LTE / UMTS/ HSDPA/ HSPA/ HSPA+ (900/2100 MHz) / GSM/EDGE/GPRS (850/1800/900/1900MHz)	-
GPS	Yes	-	Yes*	Yes	Yes*
LAN	-	1 x10/100M w/ PoE	1 x RJ-45 Ethernet, 10/100Mbps	-	1 x GbE (cradle)
Audio & Vibrator	1 x Vibrator, 1 x Speaker, 2 x Mic	1 x Speaker	1 x Speaker, 1 x Mic	1 x Vibrator, 1 x Speaker, 1 x Mic	1 x Mic, 2 x Speakers, 1 x 3.5mm Headphone Jack
SD card slot	1 x microSD	-	1 x microSDHC/microSDXC/ microSD (Max. 128GB)	1 x microSD	1 x microSD
USB Port	1 x USB 2.0 Type-A 1 x USB 2.0 Type-C	2 x USB 2.0	2 x USB 2.0 Type-A 1 x Micro USB 2.0	1 x Micro USB 2.0	1 x Micro USB 2.0 (OTG) 2 x USB 2.0 (On Cradle)
Display	10"	10.1"	8"	8"	7.85"
Max Resolution	1200 x 1920	1280 x 800	1024 x 600	1280 x 800	1024 x 768
Touch Screen	Projected Capacitive 5-Point Multi-Touch	Projected Capacitive 10-Point Multi-Touch	Projected Capacitive 5-Point Multi-Touch	Projected Capacitive 5-Point Multi-Touch	Projected Capacitive 10-Point Multi-Touch
Power Adapter Input	100~240VAC	100 ~ 240VAC	Built-in ignition detection	100~240VAC	100~240VAC
Power Adapter Output	DC 9V/2A (fast charging), 5V/2A	DC 12V, 2.5A	-	DC 9V/2A , 5V/2A	DC 5V, 2A, 10W (Tablet) DC 12V, 5A, 60W (Cradle)
Battery	1 x 10000mAh	-	-	1 x 6200mAh	1 x 4000mAh
Smart Card Reader	-	-	-	-	On Cradle
Barcode scanner	1D/2D	1D or 2D	-	1D/2D	2D
RFID / NFC	NFC	*	NFC	NFC	On Tablet / On Cradle*
Certification	FCC/CE/NCC			FCC/CE/NCC/CCC/IP65	
Accessories	Cradle	-	GPS antenna, Power Adapter (US/EU)	Rechargeable Li-ion Battery Pack, USB Cable, V-dock with Cigarette Lighter Power Adapter, Battery Adapter	Docking cradle, Pistol grip w/ battery, Vehicle cradle, Pistol grip, K-lock, Rope stylus pen, Hand strap

*Optional

Selection Guide

Thermal Imaging Solutions / POS Terminal



Model	TIM-048		S409	S408	ALBA POS
	Longwave Infrared Camera	Control HMI	-	-	-
Dimensions (WxHxD)	64.24 x 89.9 x 27.27 mm 99.3 x 105.9 x 44.2 mm w/ stand	218.2 x 162.7x 46.5 mm	154 x 195.8 x 132.3 mm	S408: 226.7 x 252.1 x 81.1 mm Blackbody: 90 x 130 x 25.1 mm	361.6 x 312.7 x 207.5 mm
CPU	Quad-Core ARM Cortex-A35	Quad-Core ARM Cortex-A35	Octa-Core ARM-Cortex A53 2.3GHz	Quad-Core ARM Cortex-A53 1.0Ghz	Intel® Celeron® Processor Bay-Trail J1900 (up to 2.42GHz)
Detection Distance	1M	-	1M	0.5-1M	-
Operating System	Android 6.0	Android 8.1 (BTO Service for Buildroot)	Android 9.0	Android 7.0	Windows 10, Windows 10 IoT
Memory	3GB DDR3	2GB DDR4	3GB DDR3	3GB	up to 8GB
Storage	32GB eMMC	16GB	32GB eMMC	16GB eMMC	1 x 2.5" SSD
Camera	5 Mega Pixel FF, LED Flashlight	1 x 8MP AF (Front)	4 Mega pixel FF, Thermal Camera	Thermal Camera	-
WLAN	IEEE 802.11 a/b/g/n	IEEE 802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n	-
WWAN	Built-in Dual Band (2.4G/5G) Chip Antenna	WCDMA/LTE, Mini PCIE Interface*	Mini PCIE-WCDMA/LTE Module	2G GSM / GPRS / EDGE 3G WCDMA / LTE (module)	-
LAN	-	1 x RJ-45 Ethernet, 10/100Mbps	1 x RJ-45 Ethernet	-	1 x RJ-45 10/100/1000 Mbps Ethernet
Bluetooth	Bluetooth 4.2	Bluetooth 4.2	Bluetooth 4.2	Bluetooth 4.1	-
GPS	-	Yes*	Yes	Yes	-
Audio & Vibrator	-	1 x Speaker, 1 x Mic	1 x Microphone	1 x Vibrator, 1 x Speaker, 1 x Mic	-
SD card slot	-	1 x microSDHC/microSDXC/microSD (Max. 128GB)	1 x microSD	1 x microSD	-
USB Port	Micro USB Connector for Debug	2 x USB 2.0 Type-A port 1 x Micro USB 2.0	1 x USB 2.0 Type-C	1 x micro USB 2.0	4 x USB 2.0 Type A
Display	-	8"	5"	8"	15", Optional : 2nd Display
Max Resolution	-	1024 x 600	1280 x 720	1280 x 800	1024 x 768
Touch Screen	-	Projected Capacitive 5-Point Multi-Touch	Projected Capacitive 5-Point Multi-Touch	Projected Capacitive 5-Point Multi-Touch	-
Power Adapter Input	-	-	9-24V	100-240VAC	-
Power Adapter Output	5V/2A	Built-in ignition detection	12V, 2A	5V/2A	DC 12V/5A, 60W
Battery	-	-	770mAh	-	-
RFID / NFC	-	NFC	-	NFC	-
Certification	CE/FCC/NCC	CE/FCC	CE/FCC/NCC	CE, FCC, NCC	CE, FCC
Accessories	GPS Antenna, Power Adapter (US/EU), M8 Cable		Y Splitter 2M	2.8M Tripod (Standard 1/4" thread) 1.5M Tripod (Standard 1/4" thread)	60W/12V DC Jack Adapter, RJ50 to COM Port Connector

*Optional

Selection Guide

IoT Devices



Model	NB-IoT Development Board	IB002 Water Meter	IB003 Water Meter	W600	AIM-01
CPU/MCU	ARM Cortex®-M4,208MHz	MTK MT2635	ST micro	DA14585	MTK-8768
Memory	4GB	2GB	-	16MB Flash Memory	4GB
Storage	4GB	16GB	16GB	-	64GB
Operating System	Free RTOS	Android	Free RTOS	Android 4.0 / iOS 8	Android 9.0
WLAN	-	802.11 b/g/n/ 2.4Ghz	-	-	802.11 a/b/g/n/ac
Frequency Band	Band 3.7.8.28	Band 3.7.8.28	Band 8.28	-	MTK(B3,B7,B8,B28) or EC25 Module
LTE	LTE CAT-NB1	LTE	LTE CAT-NB1	-	LTE
Camera	-	-	-	-	4M FF IP cam
Display	-	-	-	0.49" (PCT)	-
NFC	-	-	-	Yes	-
GPS	Yes	Yes	Yes	-	Yes
Bluetooth	Bluetooth 4.2 BLE	Bluetooth 4.2	Bluetooth 4.2	Bluetooth 4.2	Bluetooth 4.2
Extended Sensor	1x UART, 1x I2C	-	-	-	-
SIM	1x Micro SIM	1x Micro SIM	1x Micro SIM	-	1 x SIM (MTK or 4G)
USB	1x Micro USB 2.0	-	-	POGO PIN USB	Micro USB Type C
Power Input	DC 5V, 2A	DC 5V, 2A	DC 5V, 2A	-	M8 (To USB+Adapter 12V, 2A) & POE(PD)
Software	Built-in MQTT/HTTP Support	HTTP	HTTP	-	-
Battery	-	-	-	250mAh	4800mAh or 770mAh
Sealing Level Rate	-	IP68	IP68	IP68	IP67
Sensors	Built-in Pressure Sensor, Temperature Sensor, Humidity Sensor, Proximity Sensor G-Sensor, Light Sensor External: PM2.5 / NH3 / IAQ Sensor	-	-	G-Sensor, Gyroscope, Heart Rate, Temperature, 3D Accelerometer	G-Sensor, M Sensor, Gyroscope
Certification	-	NCC, BSMI	NCC, BSMI	NCC	NCC, BSMI
Accessories	-	Adapter PowerBank	Adapter PowerBank	Adapter, Charging Base for 20 Devices	Adapter, M8 Cable

*Optional

