Monetize Your IoT-powered EV Charging Stations

The rising sales of electric vehicles globally is driving building EV charging infrastructure. With a growing number of EV chargers being built, it is crucial to ensure that they are used to their full capacity - which is made possible by the constantly evolving IoT technologies. InHand Networks offers a full portfolio of IoT-enabled smart EV charging solutions, helping you thrive in this green world.

Connectivity

Multiple means of Internet access and multiple redundancy mechanisms ensure uninterrupted communications.

Intelligence

Powerful computing capabilities and custom developer features enable more possibilities out of the solution.

Versatility

Extensive interfaces enable connection to multiple peripherals and gives more insights into the charger.

Resilience

Industrial-grade design, wide temperature ranges, easy to withstand harsh environments.

Reliable Connectivity for EV Chargers

· Always Online · Compact Size · Centralized Management

"Always online" Connectivity

• 4G/Wi-Fi/Ethernet Internet access with multiple redundancy mechanisms, effectively guaranteed stability gives you peace of mind

Easy to Install

• Compact size, multiple mounting methods, preconfigured, easy for set up

Security Escort for Your Network

• Multi-level security strategies keep your transaction data secure

Centralized and Free Cloud Management

• Manage and monitor the status of distributed charging stations anytime anywhere

Featured Products

IR302 Compact Industrial LTE Router

• 4G, Wi-Fi, wired Internet access

• Multiple link backups,
  VRRP hot backup, dual SIM

• IPsec VPN, PPTP, OPEN VPN, etc.

• 5*ETH port, serial ports

• Free Device Manager

• -20 ~ 70°C, EMC level 2

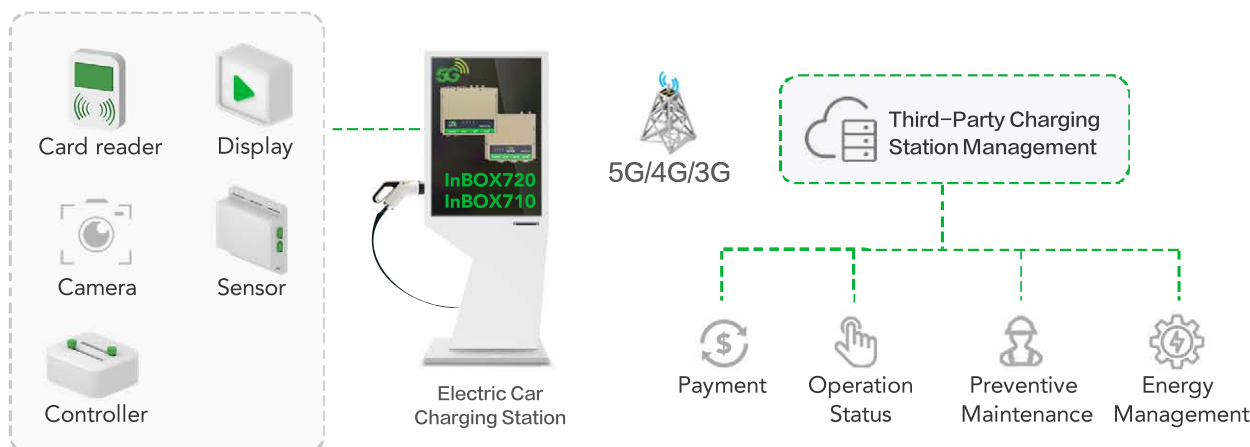• Plug & play, no IT expertise needed

IR305 Compact Industrial LTE Router

• 4G, Wi-Fi, wired Internet access

• Multiple link backups,
  VRRP hot backup, dual SIM

• IPsec VPN, PPTP, OPEN VPN, DMVPN, etc.

• 5*ETH port, serial ports

• Free Device Manager

• -20 ~ 70°C, EMC level 3

• Plug & play, no IT expertise needed

Smart EV Charging Kiosk Solutions

· *Multiple Payment Methods* · *Cloud Management* · *Touchscreen*

Card reader Display

Camera Sensor

Controller

InBOX720
InBOX710

Electric Car
Charging Station

5G/4G/3G

Third-Party Charging
Station Management

Payment Operation
Status Preventive
Maintenance Energy
Management

Ultra Fast 5G Connectivity
• Available with fast 5G/4G, Gigabit Ethernet
  and Wi-Fi, delivers ultra-fast networking experience

Rich Interfaces for Peripherals
• Multiple interfaces for peripherals (USB2.0/3.0,
  RS232/RS485, etc.)
• HDMI2.0, supports 4K display

Industrial Design
• Wide temperature range (up to -25 ~ 70°C),
  up to EMC level 4, resilient in
  harsh environments, long MTBF

Powerful Computing Capabilities + Open System
• Hexa-core RK3399 processor delivers strong
  computing capabilities
• Android/Linux OS, compatible with most
  mobile apps, and easy for development

Featured Products

InBOX710 4G Industrial PC
• 4G/3G, Wi-Fi, Ethernet
• 4K Ultra HD video
• Serial ports, USB, Ethernet
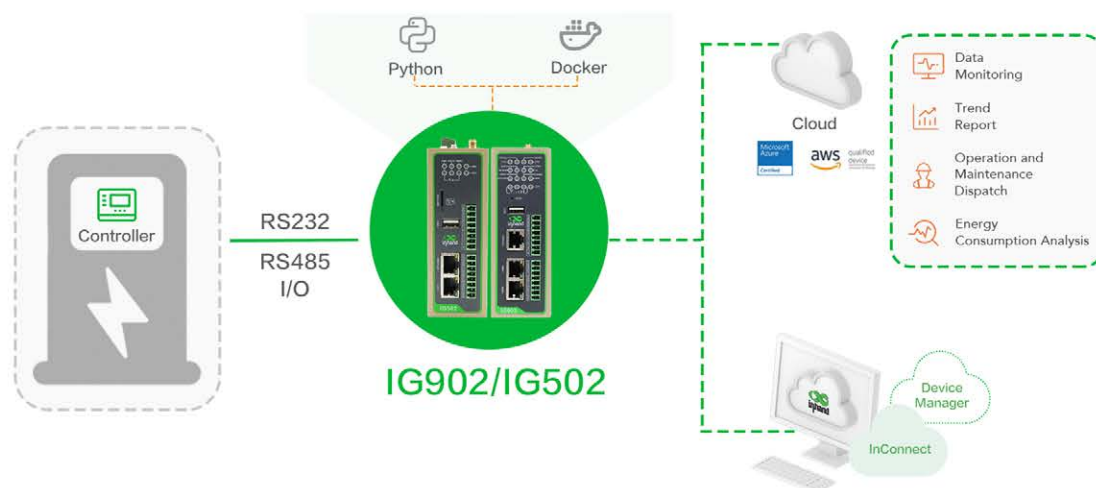• Hexa-core RK3399 processor
• Android/Linux OS

InBOX720 5G Industrial PC
• 5G, Wi-Fi, dual Ethernet
• 4K Ultra HD video
• Extensive interfaces:
  GPIO, HDMI, LVDS, serial ports,
  7*type-A USB, etc.
• Hexa-core RK3399 processor
• Android/Linux OS

Energy Management

· Multiple Industrial Procotols · Edge Computing · Clouds Ready

Uninterrupted and Reliable Communications

• 4G/Wi-Fi/Ethernet Internet access with multiple redundancy mechanisms, effectively guaranteed stability gives you peace of mind

Easy Configuration for Data Acquisition

• Multiple industrial protocols supported
• Major IoT clouds ready
• Built-in DeviceSupervisor™ Agent enables minutes' configuration for edge-to-cloud data acquisiiton, little IT knowledge required

Powerful Edge Computing Capabilities

• Supports data acquisition from up to thousands of devices, computing and filtering on the edge, relieving pressure in the cloud

Extensive Interfaces

• ETH, serial ports, USB, I/O, GPS, connected to a wide range of peripherals

Featured Products

IG502 IoT Edge Gateway

• 4G/3G, Ethernet, Wi-Fi
• ARM Cortex-A8 processor, 600MHz main frequency, 512MB RAM
• Python programmable
• Multiple industrial protocols supported
• MS Azure, AWS IoT clouds ready
• 2*ETH port, 1*RS232, 1*RS485, I/O, GPS

IG902 IoT Edge Gateway

• 4G/3G, Ethernet, Wi-Fi
• ARM Cortex-A8 processor, 1GB main frequency, 1GB RAM
• Python, Docker
• Multiple industrial protocols supported
• MS Azure, AWS IoT clouds ready
• 2*ETH port, 1*RS232, 1*RS485, 1*USB, I/O, GPS