

Vantron

COMPLETE EMBEDDED SYSTEM FOR QUICK SERVICE RESTAURANTS

Our flexible and reliable suite of products empowers QSRs to streamline workflows, from ordering to kitchen displays to point-of-sale, accelerating modernization and digitalization.

Vantron Technology, Inc.

WHAT VANTRON OFFERS



- ① Self-Service Kiosk
- ② Point-of-Sale
- ③ Service Robot
- ④ Indoor Digital Signage
- ⑤ Drive-Thru Menu Board

Vantron's cutting-edge total solutions are tailored for the Quick Service Restaurant (QSR) industry, delivering robust performance and seamless integration. Our portfolio includes:



SELF-SERVICE KIOSK

Accelerates ordering and checkout with interactive touch interfaces



Touchscreen Monitor

Vantron TMO series

- Size ranging from 7" to 27"
- Open-frame installation: bracket or VESA
- Front panel IP65-rated
- Front bezel for true flat installation



Industrial Box PC

Vantron IBOX66/IBOX6412

- Quad-core ARM processor/Quad-core x86 processor
- 1-2 x HDMI Type-A, 4K@60Hz
- 2-5 x USB, 2 x RS485, 2 x RS232/485
- Wi-Fi/BT/4G/ETH connectivity
- Android OS, GMS certified/Window IoT/Linux



Industrial 4G Router

Vantron R102/R105

- Complete industrial design
- Multi-link failover, auto-reconnection
- Dual SIM switchover
- Multiple VPN tunnels and cyber security measures
- Remote management



Unmanaged Industrial Switch

Vantron S105/S108

- Complete industrial design
- Unmanaged switch
- Support PoE, SFP, alarm relay
- Adaptive full/half duplex Ethernet jacks
- Compact size, easy to deploy

POINT-OF-SALE

All-in-one POS system streamlines transactions and inventory management



Smart Module



Display Module

Vantron VOSM700

- Dual-core A78 @2.2GHz + hexa-core A55 @2.0GHz
- 4.4 TOPS APU
- Wi-Fi 5 & BT 5.2
- Android 15, Linux Yocto
- OSM-L standard form factor

Vantron LCM series

- Multiple options for screen size
- Customized touch panel with surface treatment
- Advanced bonding techniques
- Customizable backlight brightness

Vantron BlueSphere MDM

- Device management
- Application management
- Remote login/monitoring/troubleshooting
- OTA firmware upgrade



Remote Management Platform



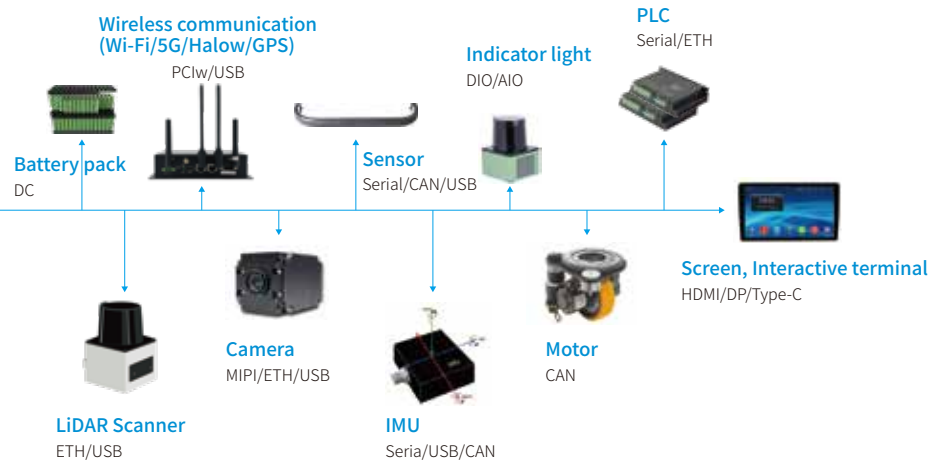
Handheld PDA

Vantron M05R1

- MediaTek MT8768 Octa-core ARM Cortex A53
- LTE, GNSS, Wi-Fi, BT and NFC
- Built-in 1D/2D barcode scanner
- Removeable battery
- Pogo pin for extension
- IP65 rated
- Android 15, GMS certified

SERVICE ROBOT CONTROLLER

Enhances precision in robotic delivery and service tasks



Typical Peripherals for Service Robot

Product Introduction

VT-AGV-RK3588J controller is designed for service robot, with outstanding performance and powerful capabilities to meet the automation requirements of vehicles such as standard forklifts and mobile robots.



High performance: Rockchip RK3588J octa-core processor with 6 TOPS NPU



Software support: Default Ubuntu system, supporting ROS 2 and Codesys Runtime



Protocol support: CANOpen, EtherCAT, Modbus



High reliability: M12 Ethernet connector, IP65-rated, -20°C to 70°C operating temperature



INDOOR DIGITAL SIGNAGE

Vibrant displays with easy content updates for real-time marketing



Vantron Display



Vantron TMC320/430/550

- FHD & UHD resolution
- Wall mount installation
- OPS BOX optional
- Front bezel for true flat installation



HDBaseT Media Player

Vantron HT6200/HT7200 Media Player

- Intel® Celeron/Core i7 processor
- Dual/Quad HDBaseT ports
- Uncompressed data without latency
- Up to 100m transmission distance
- 4K UHD video output



HDBaseT Extender Kit

Vantron VT-HDBXT Series UHD HDBaseT Extender Kit

- Up to 100 meters in long-reach mode
- Convert HDMI signal to HDBaseT
- 4K UHD video transmission
- Receiver offers USB interfaces for HIDs

DRIVE-THRU MENU BOARD

Vantron TMC320/430/550 High-brightness version

- Brightness up to 4000 nits
- Open-frame installation: bracket or VESA
- Front panel IP65-rated
- Front bezel for true flat installation

(Touchscreen Monitor)

Vantron RPC215-EKT/MX95

- Complete industrial design
- Brightness up to 1000 nits
- VESA, YOKE mounting
- IP69K rated for complete protection
- -40°C ~70°C operating temperature

(All-in-one Panel PC)

2002 Founded

USA Headquartered

5+ Worldwide Manufacturing Sites

1M+ Devices Shipped in 2024

OEM/ODM Solutions

ABOUT VANTRON

Vantron Technology, Inc. is a global leader in embedded IoT solutions, offering industrial boards, box PCs, HMIs, and data acquisition devices. Driven by innovation and customer focus, we provide cost-effective, turnkey solutions for lasting success.



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