



### Your Trusted Partner- In-Vehicle Computing

In 2021, SINTRONES officially partnered with AUO to explore the business of an intelligent transportation ecosystem. A strategic partnership in AIoV connected vehicle solutions has been established, and SINTRONES is capable of providing cutting-edge commercial vehicle networking solutions and vehicle display technology. The partnership will bring a one-stop solution for various intelligent transportation needs.

SINTRONES is a world-renowned and ISO 9001 & IRIS ISO/TS 22163 certified company of in-vehicle computing systems. We provide our customers with high-quality products that meet international standards and certification, including EN50121, EN50155, E-Mark, IEC60945, IACS E10, DNV, and MIL-810.

Our team has years of product design and sales experience in X86 platforms and vertical system integration. Our in-vehicle computing products were awarded several patents in many countries. With reliable and robust engineering ability in R&D, SINTRONES provides stable and high-quality product solutions that align with customers' short and long-term needs. We are proud of the passion, agility, and efficient, professional service we offer.

SINTRONES in-vehicle computing solutions aim to complement our customers' success. We thoroughly integrate global sales support, R&D, product planning, and marketing resources to perform professional, high-quality, and simultaneous services and create maximum value for our customers with the best products. SINTRONES in-vehicle computing solutions have been widely adopted and approved by many industries and well-known international brands.

Contact us now to learn more about our significant use cases!



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MAR-24-001



## HMI Bundle Solution For EV Charging Station

Powered by SINTRONES Edge AI Computing Technology



## SBOX-2603

- AMD® Ryzen™ Embedded R2312
- Triple Display Output (2 x HDMI® / 1 x DVI-D)
- 2 x GbE RJ45
- 1 x M.2 2280 Key M Supports NVMe or SATA SSD
- 1 x M.2 3042/52 Key B Supports USB WWAN with SIM Switch
- 2 x RS-232/422/485
- 12V DC Power Input • 8 x GPIO
- Operating Temp. : -30 ~ 60°C



## SBOX-2321

- Intel Atom® x6416RE Quad-core Processor
- Dual Display Output (1 x DP / 1 x DVI-D)
- 2 x 2.5GbE for Embedded IoT Connection
- 3 x M.2 & 1 x mPCIe Slots for Wi-Fi / WWAN / GPS / CAN Expansion
- Dual SIM for Network Redundancy
- Industrial Fanless Design
- Wide Operating Temp. : -40 ~ 70°C



## SBOX-2622

- 11th Generation Intel® Core™ i7 Processors
- Triple Display Output (2x HDMI® / VGA)
- Wireless Support 5G / LTE, Wi-Fi / Bluetooth by optional module
- 4 x RS-232/422/485
- 4 x DI / 4 x DO
- 9 ~ 36V DC Power Input
- Wide Operating Temp. : -30 ~ 60°C

Applications	Cost-Effective	Harsh Environment	High-Performance
Model	<b>SBOX-2603</b>	<b>SBOX-2321</b>	<b>SBOX-2622</b>
Processor/SoC	AMD® Ryzen™ R2314 AMD® Ryzen™ R2312	Intel Atom® x6416RE Industrial Temp. Grade	Intel® Core™ i5-1145G7E Intel® Core™ i3-1115G4E
Display Output	2 x HDMI® / 1 x DVI-D	1 x DP, 1 x DVI-D	2 x HDMI®, 1 x DVI
Ethernet	2 x GbE	2 x 2.5GbE	1 x 2.5GbE, 1 x GbE
USB	2 x USB 3.2, 2 x USB 2.0	2 x USB 3.2, 2 x USB 2.0	2 x USB 3.2, 2 x USB 2.0
Serial Port	2 x RS-232/422/485	2 x RS-232/422/485	4 x RS-232/422/485
CAN	Expansion CAN Available	Expansion CAN Available	Expansion CAN Available
Input Voltage	12 VDC	9 ~ 36 VDC	9 ~ 36 VDC
Operating Temp.	-30°C to 60°C	-40°C to 70°C	-30°C to 60°C



## IBOX-600

- ARM® Cortex®-A78AE 8-core Processor (Jetson Orin NX 16GB)
- 1024 NVIDIA® CUDA® Cores, 32 Tensor Cores
- 3 x M.2 Slots for Wi-Fi / WWAN / SSD Expansion
- 1 x CAN FD for Vehicle Connection
- 4 x DI / 4 x DO
- JetPack™ SDK Includes Development Tools
- Wide-range DC Power Input 9 ~ 60V with Smart Power Management
- Wide Operating Temp. : -25 ~ 70°C



## IMB-500

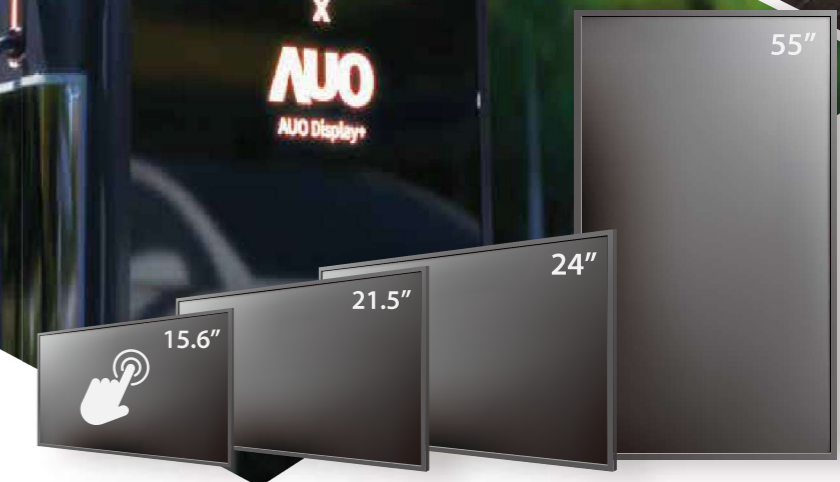
- NXP i.MX 8 QuadXPlus Automotive Grade Soc (AEC-Q100 Grade 3)
- On-board LPDDR4 3GB and eMMC 5.1 32GB
- Built-in Accelerometer, Gyroscope, and Magnetics Sensor
- 3 x CAN / CAN FD
- 1 x DVI-D Single-Link (Sintrones proprietary pin define)
- 8 x DI, and 4 x DO and 2 x RS-232
- 1 x M.2 3042/3052 Key B, 1 x M.2 2242 Key B, 1 x M.2 Key A-E
- 9 ~ 60V DC Power Input
- Wide Operating Temp. : -40 ~ 70°C



## SMB-26/23 Series

- Intel® Core™ i Series / Intel Atom® x6000RE
- AMD Ryzen™ Embedded R2000
- HDMI® / DVI-D / DP
- 2 x Ethernet • 4 x USB
- 2 x RS-232/422/485 • 3 x M.2 Slots
- 9 ~ 36V DC Power Input
- Wide Operating Temp. : -30 ~ 60°C

Applications	Edge AI	Ultra Low Power	Embedded Board Only
Model	<b>IBOX-600</b>	<b>IMB-500</b>	<b>SMB-26/23 series</b>
Processor/SoC	NVIDIA® Jetson Orin™ NX NVIDIA® Jetson Orin™ Nano	NXP i.MX 8 SoC Automotive Grade AEC-Q100	Intel® Core™ i Intel Atom x6000RE AMD® Ryzen™ R2000*
Display Output	1 x HDMI®	1 x DVI-D	HDMI® / DVI / DP
Ethernet	1 x 2.5GbE, 1 x GbE	1 x GbE	2 x Ethernet
USB	2 x USB 3.2	2 x USB 3.2	4 x USB
Serial Port	1 x RS-232/422/485	2 x RS-232/422/485	2 x RS-232/422/485
CAN	1 x CAN FD	3 x CAN FD	3 x M.2 Slots
Input Voltage	9 ~ 60 VDC	9 ~ 60 VDC	9 ~ 36 VDC
Operating Temp.	-25°C to 70°C	-40°C to 70°C	-30°C to 60°C



AUO Display Plus	Model	Size	Brightness	Touch Panel
Touch Display	<b>GF15FTN03.0</b>	15.6 inch	950 nits	PCAP, USB Interface
	<b>GF21FTN02.0</b>	21.5 inch	1200 nits	PCAP, USB Interface
	<b>GF24FTN01.0</b>	24.0 inch	1200 nits	PCAP, USB Interface
Outdoor Signage	<b>PH55FGN02.0</b>	55.0 inch	3500 nits	—