



FEATURES

- 10.1" IPS LCD Display (1280 x 800 Resolution)
- Quad-core Cortex-A55 Processor
- Android 14 or Linux OS
- Wide-temperature Operation: -20°C to 75°C
- Support 4 Programmable Buttons and 1 Emergency Stop Button
- OTA Upgrade Support for Remote Firmware Updates
- Support Wi-Fi 6, Bluetooth 5.0, **Optional** 4G LTE
- Multiple I/O **Options**: USB 2.0, RS232/485, LAN, and CAN BUS

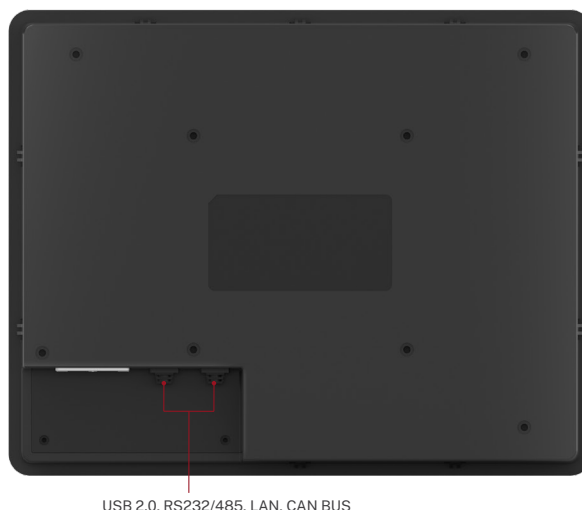
As an ODM/OEM manufacturer, we specialize in delivering customized industrial touchscreen solutions tailored to your specific needs. The HMI-100 is a versatile 10.1-inch industrial touchscreen control panel, designed for trucks, RVs, and industrial automation applications. With a 1280 x 800 high-resolution IPS LCD display and a powerful ARM Cortex-A55 processor, it ensures superior clarity, responsiveness, and reliability in harsh environments. Running on Android 14 or Linux, the HMI-100 supports seamless integration into industrial and vehicle control systems. Its extensive connectivity options, including USB 2.0, RS232/RS485, LAN, CAN bus, Wi-Fi, and Bluetooth, provide flexible data exchange, while optional 4G LTE ensures real-time remote communication. Engineered for rugged environments, the HMI-100 operates reliably in extreme temperatures from -20°C to 75°C. It features four programmable buttons, an emergency button, and OTA (Over-the-Air) upgrade capabilities, offering customizable control functions and remote firmware updates.

SPECIFICATIONS

SYSTEM	
Processor	Quad-core Cortex-A55, up to 2.0GHz
Memory	4GB LPDDR4
Storage	16GB eMMC
	Optional: 32GB/64GB/128GB
OS	Android 14 or Linux
DISPLAY	
Screen Size	10.1" IPS LCD
Resolution	1280 x 800
Brightness	400 nits
Touch Screen	Capacitive 5-point Touch, Supports Wet & Glove Modes
COMMUNICATIONS	
4G (Optional)	4G LTE
Wi-Fi	802.11 a/b/g/n/ac/ax
Bluetooth	Bluetooth v5.0

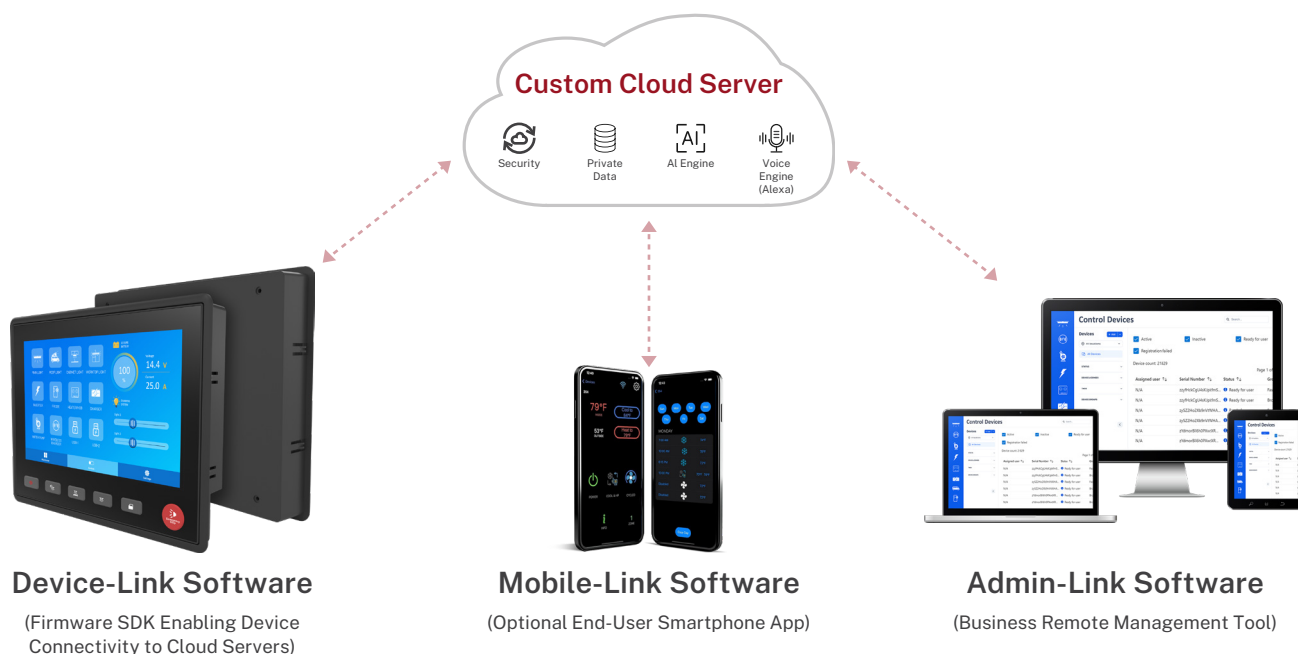
POWER	
AC/DC Adapter	Input AC 100-240V, 50/60Hz Output DC 12V/3A
I/O & SENSOR	
Sensor	Ambient Light Sensor
I/O Options	USB 2.0, RS232/485, LAN, CAN
DC Input	12V, 3A
Buttons	Power On/Off Button Emergency Button 4 x Programmable Buttons
ENVIRONMENTAL	
Temperature:	
- Operation	-20°C to 75°C
- Storage	-30°C to 80°C
REGULATORY	
Certifications	FCC, CE, RoHS, IC

DIMENSIONS AND SYSTEM LAYOUT



USB 2.0, RS232/485, LAN, CAN BUS

OPTIONAL E-LINK SOFTWARE (Intelligent Device Control)



APPLICATIONS



Control Panel for Trucks



Control Panel for RVs



Industrial Control