

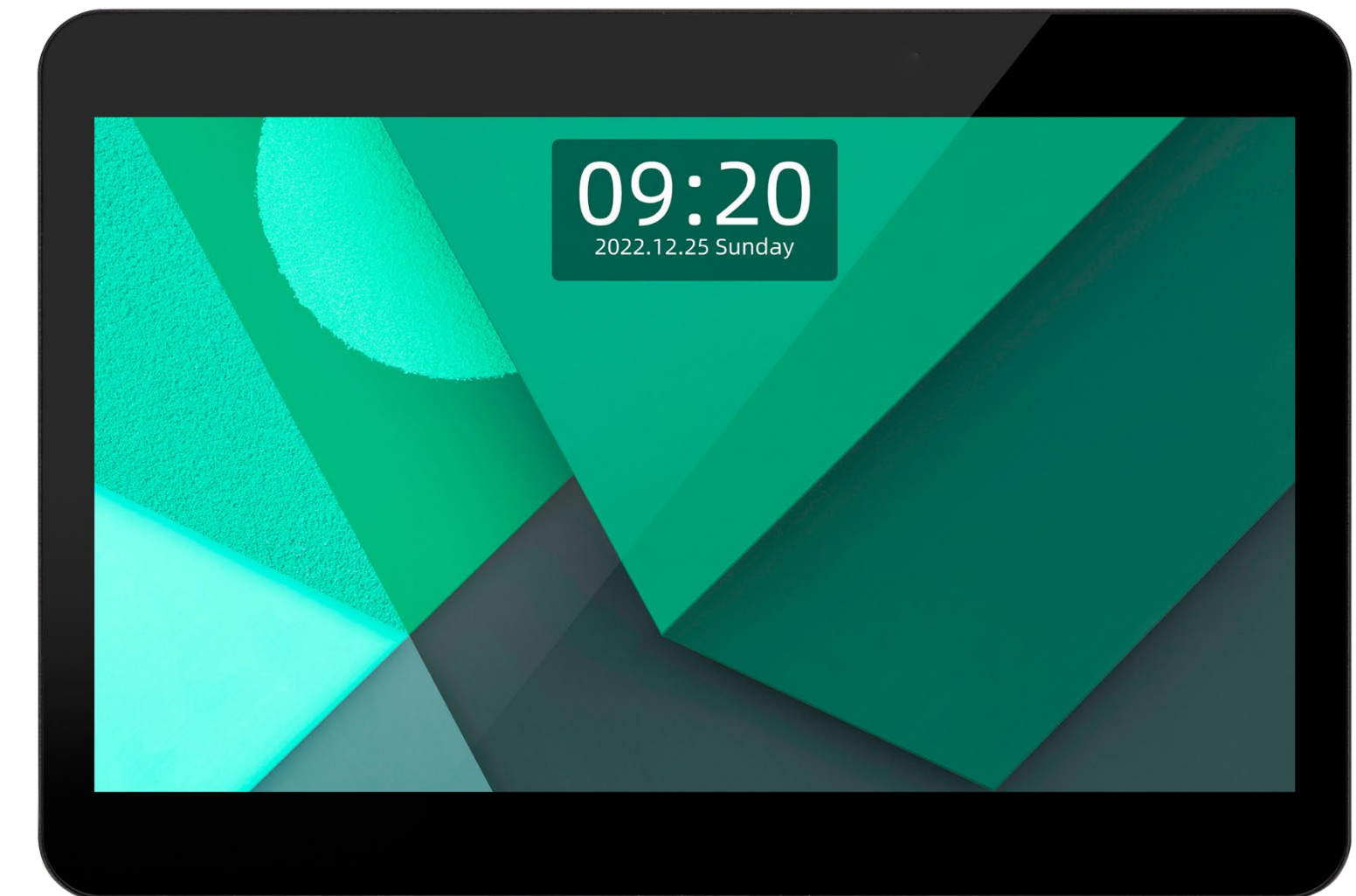


IPC-M10R800-A3399C V2

Hexa-core Industry Panel Computer

FIREFLY TECHNOLOGY

V1.2





Product features



Hexa-core 64-bit Core

2xCortex-A72 + 4xCortex-A53
Up to 1.8GHz
Quad-core ARM Mali-T860 GPU



4K H.265/VP9 Decoding

4K@60fps H265/H264/VP9, 1080P
VC-1/VP8/MPEG-1/2/4 video decoding,
1080P H.264/VP8 video encoding



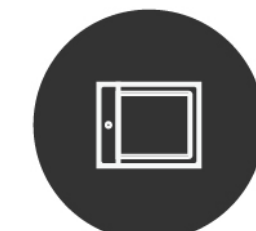
IPS High-end Screen

10.1 inches 800x1280 IPS Screen,
supports dual-screen identical display/
dual-screen differential display



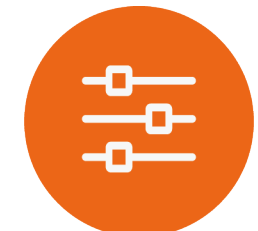
Capacitive 10-point Touch

G+G capacitive touch screen,
supporting 10-point touch, high
sensitivity touch, stable operation



High-quality Metal Case

Equipped with industrial grade metal
case, fanless design, dustproof,
shockproof, anti-jamming, anti-aging
wear, effective cooling design



Rich Interfaces

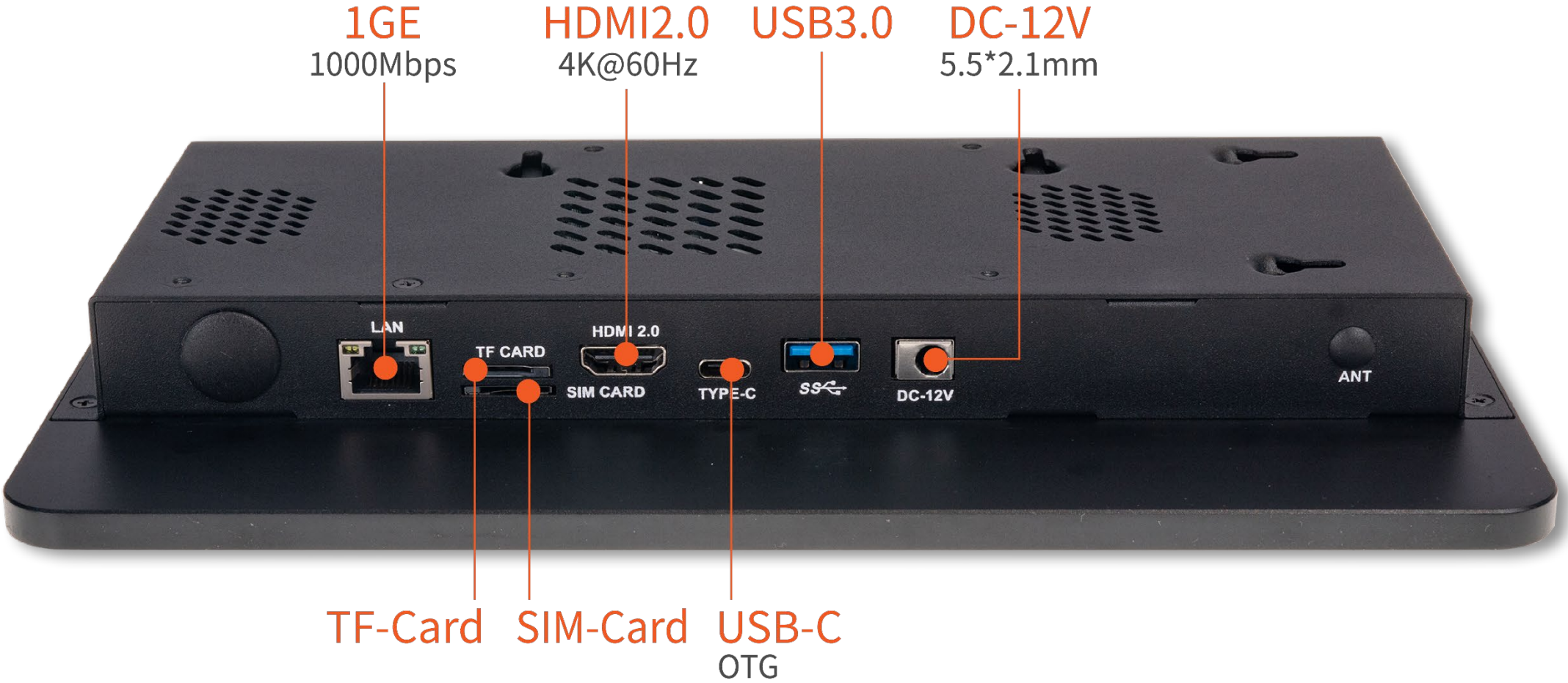
LAN, HDMI, Type-C, RS485, RS232, etc.,
which is convenient for connecting
various industrial equipment to meet
various application scenarios



Specifications

Specifications		
Basic Specifications	SOC	Rockchip RK3399
	CPU	Hexa-core 64-bit ARM processor, Dual-core (Cortex-A72) + Quad-core (Cortex-A53), frequency up to 1.8GHz
	GPU	Quad-core ARM Mali-T860, support OpenGL ES 1.1/2.0 /3.0, OpenVG1.1, OpenCL, Directx11
	Decoding/Encoding	4K@60fps H.265/H.264/VP9, 1080P WMV, MPEG-1/2/4, VP8 video decoding 1080P H.264/VP8 video encoding
	RAM	2GB/4GB dual-channel LPDDR4
	Storage	8GB/16GB eMMC
	Expanded Storage	1 × TF Card
	OS	Android, Linux, Ubuntu
	Power	DC 12V-2A (5.5 × 2.1mm)
	Dimension	260.2mm × 177.3mm × 30.5mm
	Environment	Operating Temperature: -10°C ~ 50°C, Storage Temperature: -20°C ~ 60°C
Screen Specifications	Screen	10.1 inches IPS screen, 800×1280 Pixel (10:16), capacitive 10-point touch screen
	Brightness	300cd/m ²
	Contrast Ratio	1000:1
	Interface	MIPI
Interface Specifications	Ethernet	1 × Gigabit Ethernet (1000Mbps)
	Wireless	2.4GHz/5GHz dual-band WiFi (802.11a/b/g/n/ac), supports Bluetooth 4.1, and is expandable with 4G/3G modules
	Video Output	1 × HDMI2.0 (4K@60Hz, support HDCP 1.4/2.2), 1 × DP1.2 (4K@60Hz, via USB-C)
	USB	1 × USB3.0, 2 × USB2.0, 1 × USB-C (OTG)
	IR	1 infrared receiver, supporting infrared remote control functionality
	Other interfaces	1 × RS232, 1 × RS485

Interface description



Pin3: GND	Pin2: RS485_B	Pin1: RS485_A
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Pin1: NC	Pin2: RS232_RX	Pin3: RS232_TX	Pin4: NC	Pin5: NC
	Pin6: NC	Pin7: NC	Pin8: NC	Pin9: NC



FIREFLY TECHNOLOGY



Contact Us
(+86)18688117175



E-mail
global@t-firefly.com



Website
www.t-firefly.com



Address
Room 2101, Hongyu Building, #57 Zhongshan 4Rd, East District,
Zhongshan, Guangdong, China.