



5 models are available

Model	Industrial Control Board	Screen Resolution	Screen Brightness	Touch Method	OS Version
DJ104A8M	i.MX 8M Mini board	1024 x 768	500 cd/m2	capacitance	Linux 4.14.98
DJ104A3399	RK3399 board	1024 x 768	500 cd/m2	capacitance	Android 7.1/8.1
DJ104A3288	RK3288 board	1024 x 768	500 cd/m2	capacitance	Android 7.1/5.1
DJ104A64	Allwinner A64 board	1024 x 768	500 cd/m2	capacitance	Android 6.0
DJ104A40I	Allwinner A40I board	1024 x 768	500 cd/m2	capacitance	Android 7.1

Industrial screen with touch specifications

Screen	Size	10.4 inches
	Grade	Industrial grade
	Resolution	1024*768
	Zoom	4:3
	Display area	210 (W) x 157 (H) mm
	Contrast	1200:1
	Brightness	500 cd/m2
	Backlight mode	LED
Touch	Capacitive screen	
	10-point touch	
	50,000 touch life	
Driver board	With fixing holes	
Fixed bracket	Metal Material	

i.MX 8M Mini industrial control board parameters

DJ104A8M

Plate type	3.5" standard industrial motherboard (146*102mm)
OS	Linux 4.14.98
CPU	Compatible with NXP's i.MX 8m mini full series processor, 4*Cortex-A53+1*Cortex-M4
	3D GPU (1x shader, OpenGL® ES 2.0), 2D GPU, varies by processor
Memory	Onboard 2GB DDR4 high speed memory particles
Storage	Onboard 16GB (commercial grade) or 8GB (industrial grade) eMMC 5.1
	Onboard 32MB QSPI FLASH
	1*TF card slot, support 8GB/16GB/32GB/64GB/128GB...
M.2 Interface	1*M.2 2280 SSD solid state disk interface ,complies with PCIE-NVME protocol. Support various capacity solid state drives (256GB/512GB/1T...)
B2B Connector	Two 2*50PIN high-speed connectors with high reliability and high precision for military industry, closely connected
	Total 200PIN
Network	1*10/100/1000M adaptive Ethernet, RJ45 port
	Mini PCIE Slot, with SIM card, support 3G/4G module (optional)
	WiFi/BT two in one module,support 802.11a/b/g/n/ac, Bluetooth V4.1 of 1, 2 and 3 Mbps
USB	1*USB 2.0 OTG (Micro USB matrixes)
	2*USB 2.0 HOST TYPE A (Double 90° USB TYPE A matrixes)
	4*USB 2.0 HOST (Hub extension, 4PIN connector)
UART	2*TTL Interface (8PIN 0.5mm spacing connector, UART2 is used for debugging by default)

	2*RS232/TTL Interface (4PIN connector, default RS232)	
	2*TTL/RS232 Interface (4PIN connector, default TTL)	
Camera	1*MIPI Camera Interface, support 13 megapixel module (4 Lanes 30PIN connector)	
RS485	1*RS485 Interface, multiplexing with UART3 (2PIN green connector)	
I/O	1*GPIO Interface (15 external expansion GPIO, 2*10PIN pins)	
	1*Key (Power, Reset, CPU Power)	
	1*LED (Red, Blue)	
	1*IR Circuit, support infrared remote control	
Audio	2*Headphones (3.5mm, stereo, microphone input)	
	1*Horn Interface (4PIN connector) With power amplifier circuit, built in 4Ω/20W, 8Ω/10W power amplifier	
	1*MIC Interface (2PIN connector), can connected with various microphones	
RTC		Support
Sleep/Wake up		Support
All in one machine power supply		DC 12V Power input
Environment	Operating Temperature/Humidity	-10°C ~ 60°C 5%~95%RH@31°C no condensation
	Storage Temperature/Humidity	-20°C ~ 75°C 5%~95%RH@39°C no condensation
All-in-one machine size (Dimensions)		239.8 (L) mm*190.6 (W) mm*37.4 (H) mm

RK3399 industrial control board parameters

DJ104A3399

Plate type	3.5 inch standard industrial motherboard (146*102mm)
OS	Default Android 7.1 (Android 8.1 optional)
CPU	Rockchip RK3399 6-core processor, based on ARM Cortex-A72 and Cortex-A53 dual architecture, frequency at 1.8GHz
	Built in Mali-T864 processing engine, support 4K, H.265 hardware decoding
RAM	Onboard 2GByte DDR3L (Optional 4GB)
Storage	Onboard 8GByte eMMC (optional 16GB/32GB...)
	1*TF card slot, up to 128GB
Decoding resolution	Dual VOP display: resolution up to 3840*2160
Video format	Support MP4, RMVB, WMV, AVI, FLV, MPEG, TS etc.
Image format	Support JPEG, BMP, PNG, GIF etc.
Network	1*10/100/1000M adaptive Ethernet, RJ45 port
	Mini PCIE Slot, with SIM card, support 3G/4G module (optional)
	WiFi/BT two in one module (optional)
USB	1*USB 2.0 HOST TYPE A
	1*USB 3.0 HOST TYPE A
	4*USB 2.0 HOST (Hub extension, 4PIN connector)
UART	2*RS232/TTL Interface (4PIN connector, default RS232)
	2*TTL/RS232 Interface (4PIN connector, default TTL)
	1*TTL/RS232 Interface (6PIN connector, default TTL, hardware control)
	1*RS232/TTL Interface (4PIN connector, default RS232, debugging)

Camera	1*MIPI Camera Interface, support 13 megapixel module (4 Lanes 30PIN connector)	
HDMI IN	1*HDMI IN Interface (24PIN connector)	
I/O	1*Type-C Interface (Shared with Display Port)	
	1*HDMI OUT Port	
	1*GPIO Interface (6PIN connector)	
	1*Key (RECOVERY, Reset, Power)	
	1*LED (Red, Blue)	
	1*IR Circuit, support infrared remote control	
Audio	1*3.5mm Headphones, left and right stereo, microphone input	
	1*Horn Interface (4PIN connector) With power amplifier circuit, support left and right channel output, built in 4Ω/20W, 8Ω/10W power amplifier	
RTC		Support, built in CR2032 battery
All in one machine power supply		DC 12V Power input
Environment	Operating Temperature/Humidity	-10°C ~ 60°C 5%~95%RH@31°C no condensation
	Storage Temperature/Humidity	-20°C ~ 75°C 5%~95%RH@39°C no condensation
All-in-one machine size (Dimensions)		239.8 (L) mm*190.6 (W) mm*37.4 (H) mm

RK3288 industrial control board parameters

DJ104A3288

Plate type	3.5" standard industrial motherboard (146*102mm)
OS	Default Android 7.1 (Android 5.1 optional)
CPU	Rockchip RK3288 4-core processor, based on ARM Cortex-A17 architecture, frequency at 1.8GHz
	Mali-T764 GPU, support 4K, H.265 hardware decoding
Memory	Onboard 2GB DDR3L (optional 4GB)
Storage	Onboard 8GB eMMC (optional 16GB/32GB...)
	Onboard TF card slot, support 2GB/4GB/8GB/16GB/32GB...
Decoding resolution	Support up to 3840*2160
Video format	Support MP4, RMVB, WMV, AVI, FLV, MPEG, TS etc.
Image format	Support JPEG, BMP, PNG, GIF etc.
Network	1*10/100/1000M adaptive Ethernet, RJ45 port
	Mini PCIE Slot, with SIM card, supporting 3G/4G module (optional)
	WiFi/BT two in one module, support 802.11b/g/n, BT4.0 (optional)
USB	2*USB2.0 HOST Type A(One of them is also an OTG)
	4*USB 2.0 HOST (Hub extension, 4PIN connector)
UART	4*RS232/TTL (4PIN connector)
	2*TTL Interface (Multiplex, 4PIN connector or 4PIN pin)
	1*TTL Debug Interface (UART2, 3PIN pin)
Camera	1*MIPI Camera Interface, support 13 megapixel module (4 Lanes 30PIN connector)

HDMI IN	1*HDMI IN Interface (24PIN connector)	
I/O	1*HDMI OUT Port	
	1*GPIO Interface (connector)	
	1*Key (Volume up/down, Reset, Power)	
	1*LED (Red, Blue)	
	1*IR Circuit, support infrared remote control	
Audio	1*3.5mm Headphones, stereo, microphone input	
	1*Horn Interface (4PIN connector) With power amplifier circuit, built in 4Ω/20W, 8Ω/10W power amplifier	
RTC	Support	
Timer switch	Support	
Sleep/Wake up	Support	
All in one machine power supply	DC 12V Power input	
Environment	Operating Temperature/Humidity	-10°C ~ 60°C 5%~95%RH@31°C no condensation
	Storage Temperature/Humidity	-20°C ~ 75°C 5%~95%RH@39°C no condensation
All-in-one machine size (Dimensions)	239.8 (L) mm*190.6 (W) mm*37.4 (H) mm	

Allwinner A64 Industrial control board parameters

DJ104A64

Plate type	3.5 inch standard industrial motherboard (146*102mm)
OS	Android 6.0
CPU	Allwinner A64 4-core processor, based on ARM Cortex-A53 architecture, frequency at 1.3GHz
	Built in Mali400 MP2 GPU, support 4K, H.265 hardware decoding
Memory	Onboard 1GByte DDR3L (Optional 2GB)
Storage	Onboard 8GByte eMMC (Optional 16GB/32GB...)
	1*TF card slot, up to 64GB
Decoding resolution	Support up to 1920*1200
Video format	Support H.265, H.264, MP4, WMV, MPEG etc
Image format	Support JPEG, BMP, PNG, GIF etc
Network	1*10/100 adaptive Ethernet, RJ45 port
	Mini PCIE Slot, with SIM card, support 3G/4G module (optional)
	WiFi/BT two in one module (optional)
USB	1*USB 2.0 HOST Type-A
	1*USB 2.0 OTG Type-A (Doubles as main device)
	4*USB 2.0 HOST (Hub extension, 4PIN connector)
UART	2*RS232/TTL Interface (4PIN Connector, default RS232)
	1*TTL/RS232 Interface, Debug (4PIN Connector, default TTL)
	1*TTL/RS232 Interface, Uart1 is used in time sharing with Bluetooth module.

	Bluetooth is used by default and socket is not welded (4PIN connector)	
I/O	1*HDMI OUT Port	
	1*GPIO Interface (6PIN connector)	
	1*Key (RECOVERY, Reset, Power)	
	1*LED (Red, Blue)	
	1*IR Circuit, support infrared remote control	
Audio	1*3.5mm Headphones, left and right stereo, microphone input	
	1*Horn Interface (4PIN connector) With power amplifier circuit, support left and right channel output, built in 4Ω/20W, 8Ω/10W power amplifier	
RTC	Support, built in CR2032 battery	
All in one machine power supply	DC 12V Power input	
Environment	Operating Temperature/Humidity	-10°C ~ 60°C 5%~95%RH@31°C no condensation
	Storage Temperature/Humidity	-20°C ~ 75°C 5%~95%RH@39°C no condensation
All-in-one machine size (Dimensions)	239.8 (L) mm*190.6 (W) mm*37.4 (H) mm	

Allwinner A40I Industrial control board parameters

DJ104A40I

Plate type	118*88mm
OS	Android7.1
CPU	Allwinner A40I 4-core processor, based on Cortex™-A7 architecture, frequency at 1.2GHz Built in Mali400 MP2 GPU, support 4K, H.265 hardware decoding
Memory	Onboard 1GByte DDR3L (optional 2GB)
Storage	Onboard 8GByte eMMC(optional 16GB/32GB...) 1*TF card slot, up to 64GB
SATA	Onboard 1*SATA Interface, support SATA 1.5Gb/s and SATA 3.0Gb/s, can connect various SATA interface hard disks
Decoding resolution	Support up to 1920*1080
Video format	Support H.264, MP4, WMV, MPEG etc
Image format	Support JPEG, BMP, PNG, GIF etc
Network	1*Gigabit Ethernet, RJ45 port Mini PCIE Slot, with SIM card, supporting 3G/4G module (optional) WIFI/BT two in one module (optional)
USB	1*USB 2.0 HOST Type-A 1*USB 2.0 OTG Type-A (Doubles as main device) 4*USB 2.0 HOST (Hub extension, 4PIN connector)

UART	2*RS232/TTL Interface (4PIN connector, default RS232) 3*TTL/RS232 Interface, UART2, UART3 and UART6, the default is TTL, for users to use (4PIN connector) 1*TTL/RS232 Interface, Debug (4PIN connector, default TTL)	
I/O	1*HDMI OUT Port 1*GPIO Interface (6PIN connector) 1*Key (RECOVERY, Reset, Power) 1*LED (Red, Blue) 1*IR Circuit, support infrared remote control	
Audio	1*3.5mm Headphones, left and right stereo, microphone input 1*Horn Interface (4PIN connector)With power amplifier circuit, support left and right channel output, built in 4Ω/20W, 8Ω/10W power amplifier	
All in one machine power supply	DC 12V Power input	
Environment	Operating Temperature/Humidity	-10°C ~ 60°C 5%~95%RH@31°C no condensation
	Storage Temperature/Humidity	-20°C ~ 75°C 5%~95%RH@39°C no condensation
All-in-one machine size (Dimensions)	239.8 (L) mm*190.6 (W) mm*37.4 (H) mm	

Size

