



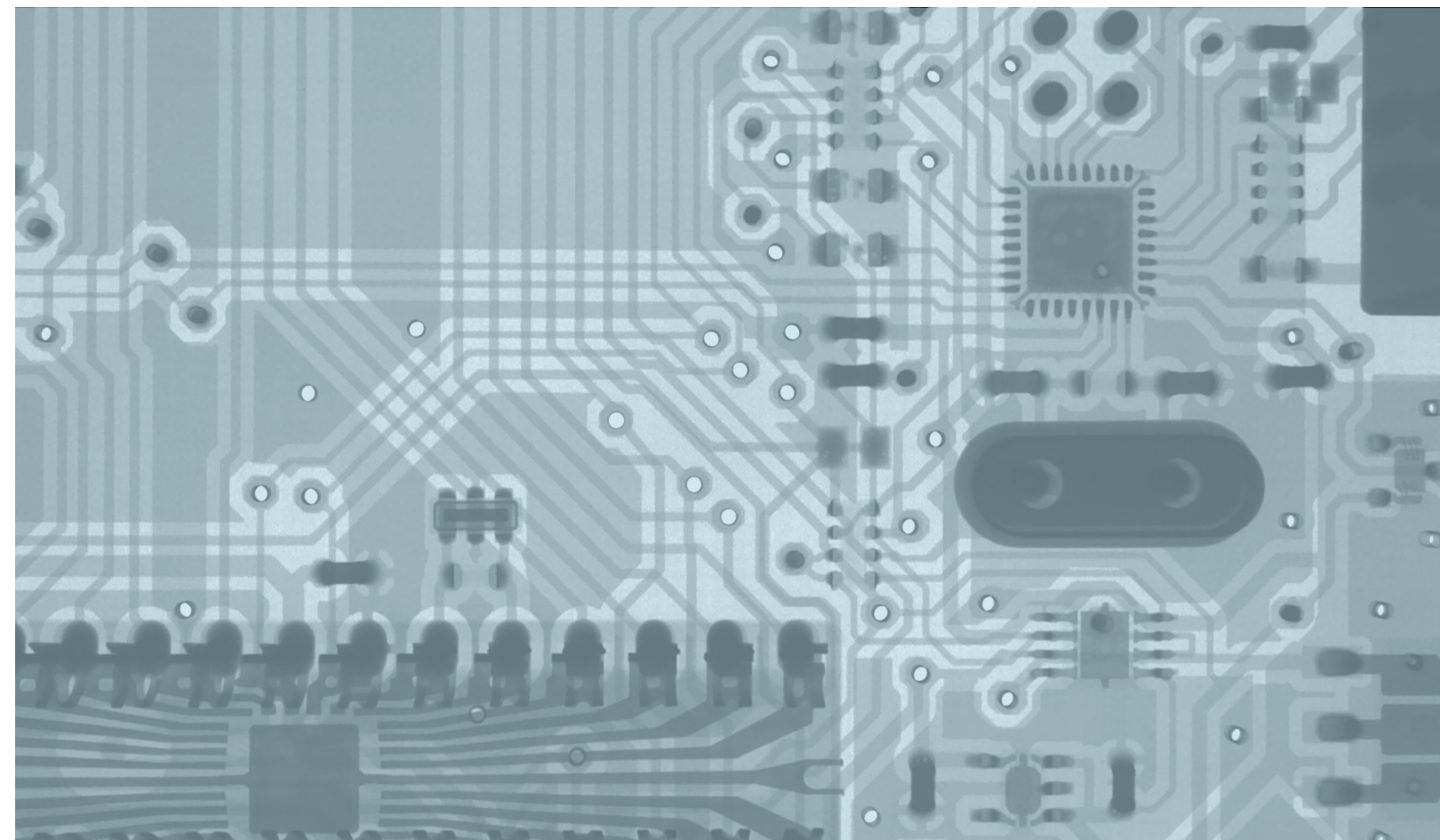
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- ◎ 嵌入式工业核心板
- ◎ 嵌入式工业主板
- ◎ 边缘计算网关
- ◎ 人工智能AI-BOX
- ◎ 工业计算机
- ◎ 工业显示器
- ◎ 工业平板电脑
- ◎ 工业扩展卡

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企业简介

杭州研智科技有限公司成立于2011年3月，为浙江省高新技术企业、杭州市瞪羚企业。研智科技汇集了阵容强大的硬件、软件开发团队，核心技术团队来自于诺基亚、正泰集团等国内外著名企业。研智科技专注于嵌入式工业控制、物联网、工业互联网、边缘AI智能等领域，致力于成为领先的嵌入式工业控制专家、边缘AI应用专家。

研智科技的嵌入式系统采用ARM/X86/FPGA/D-SP/MIPS/AI芯片，涵盖了Windows、Linux、QNX、Android等操作系统，广泛应用于嵌入式工业控制系统、机械加工自动化、智能零售、智能医疗、能源、环保、3D打印、智能机器人、高铁、地铁、电力各个行业。

研智科技的边缘计算网关、AI-BOX等系列产品具有超强的数据处理能力，为物联网、工业互联网、智慧农业、车联网、智慧楼宇、智慧交通、自动驾驶等领域提供强大的数据计算、实时处理能力。为制造业数字化转型、智慧工厂建设、智慧城市建设、智能生活建设提供了强有力的技术支持。

研智科技具有完整的技术开发体系、质量管理体系、售后技术支持体系，始终坚持以高性能高质量的产品更好地服务于客户。已获得27项专利及43项软件著作权，并先后加入多家行业协会：

中国计算机协会，会员单位
浙江省物联网产业协会，理事单位
浙江省5G产业联盟，会员单位
浙江省城市大脑产业协会，会员单位
浙江省应急产业技术联盟，会员单位

研智科技以匠心铸造产品，以创新的理念引领技术发展，以卓越的品质保证产品的可靠性，以先进的技术赋能未来，与合作者和客户共创价值！



企业使命

以研创精品为战略支点
以科技品质提升价值
以价值服务社会

企业愿景

用专业、专注创造发展核心技术和产品，
务实创新，科技兴国。

核心价值观

以人为本, 做好服务

企业口号

研智精品, 匠心铸造

经营理念

专业专注, 精益求精

企业精神

诚信服务 求知创新
敬业勤奋 协同发展



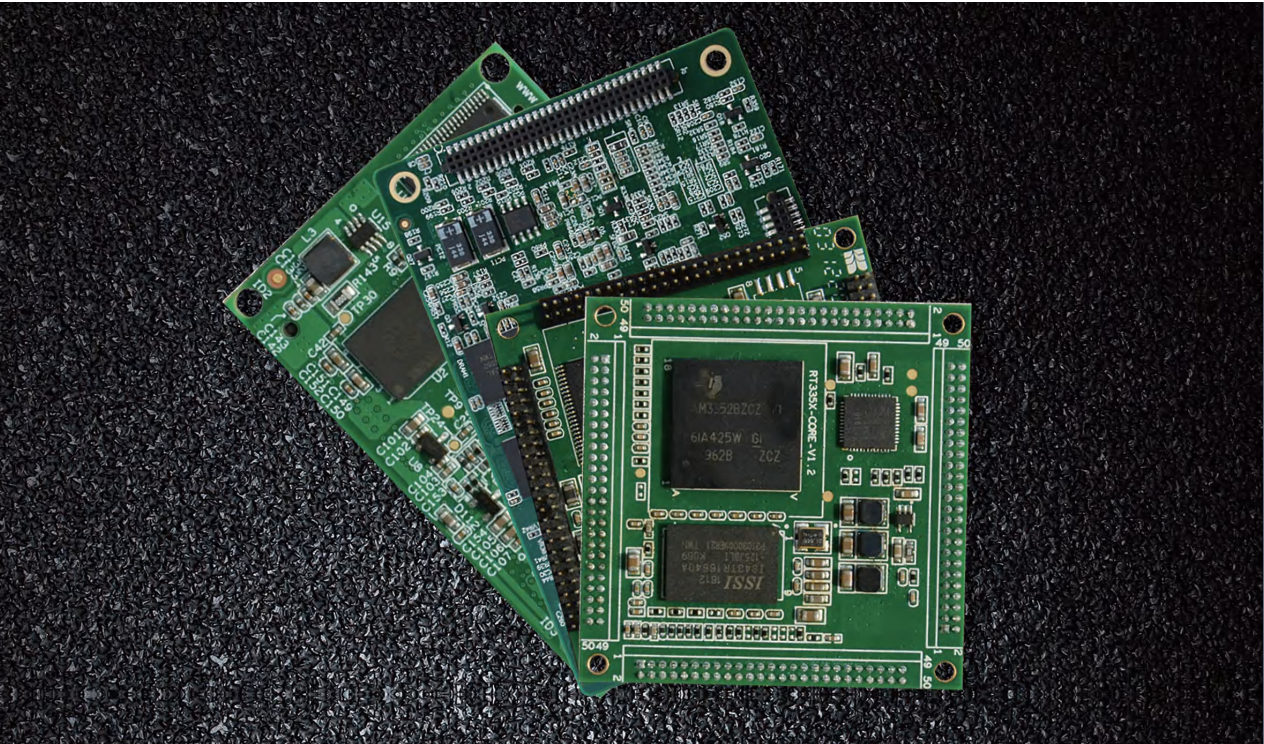
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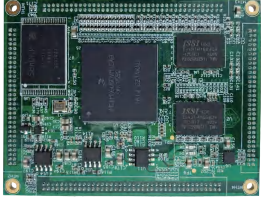
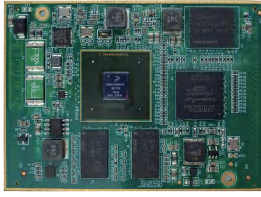
A 嵌入式工业核心板WEC

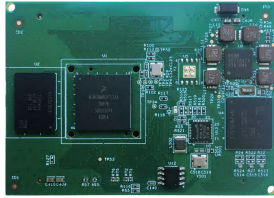
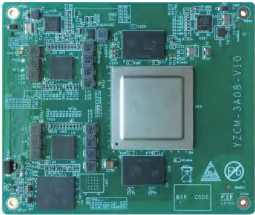


● 嵌入式工业核心板WEC

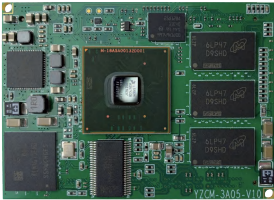
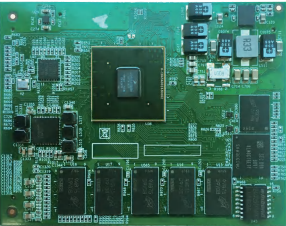
ModelName	WEC-1052D	WEC-MX6LD	WEC-MX6LD-F407
Alias	RT1052	i.MX 6UL/6ULL	i.MX 6ULL+STM32F4
Picture			
CPU1	NXP i.MX RT1052, ARM Cortex-M7, 528MHz	NXP i.MX 6UL/6ULL, ARM Cortex-A7, 528/792MHz	NXP i.MX 6UL/6ULL, ARM Cortex-A7, 528/792MHz
RAM1	32MB SDRAM	128MB/256MB/512M DDR3	128MB/256MB/512MB DDR3
FLASH1	4GB+ EMMC	4GB+ EMMC	4GB+ EMMC
CPU2	/	/	STM32F407
RAM2	/	/	/
FLASH2	/	/	/
SDIO	2	2	2
NET1	RMII	MII/RMII	MII/RMII
NET2	/	MII/RMII	MII/RMII
USB2.0	2	2	2
USB3.0	/	/	/
UART	8	8	8
CAN	2	2	2
I2S	3	3	3
I2C	4	4	4
SPI	4	4	4
PWM	4	8	8
ADC	12bit ×2	12bit ×2	12bit ×2
LCDRGB	24bit 800×480	24bit 1366×768	24bit 1366×768
LVDS	/	/	/
MIPI DSI	/	/	/
MIPI CSI	/	/	/
MIPI CSI/DSI	/	/	/
HDMI	/	/	/
EDP	/	/	/
CSI	1	1	1
PCIE	/	/	/
SATA	/	/	/
OS	RTOS/uCLinux	Linux/Ubuntu/ Ubuntu Core/Yocto	Linux/Ubuntu/ Ubuntu Core/Yocto

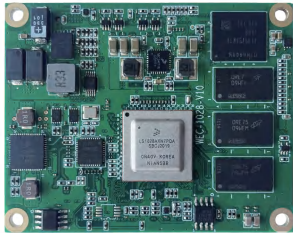
A 嵌入式工业核心板WEC

ModelName	WEC-MX6UD	WEC-MX6DD/WEC-MX6QD	WEC-MX6QD-4CE6
Alias	i.MX 6	i.MX 6	i.MX 6+FPGA
Picture			
CPU1	NXP i.MX 6DL, ARM Cortex-A9×2, 1.0GHz	NXP i.MX 6D, ARM Cortex-A9×2, 1.0GHz/ i.MX 6Q, ARM Cortex-A9×4, 1.0GHz	NXP i.MX 6Q, ARM Cortex-A9×4, 1.0GHz
RAM1	512MB/1GB/2GB DDR3	512MB/1GB/2GB DDR3	512MB/1GB/2GB DDR3
FLASH1	4GB+ EMMC	4GB+ EMMC	4GB+ EMMC
CPU2	/	/	EP4CE6U14I7N
RAM2	/	/	/
FLASH2	/	/	/
SDIO	3	3	2
NET1	RGMII/RMII/MII	RGMII/RMII/MII	RGMII
NET2	/	/	/
USB2.0	2	2	2
USB3.0	/	/	/
UART	5	5	5
CAN	2	2	2
I2S	4	4	3
I2C	4	4	2
SPI	4	4	3
PWM	4	4	4
ADC	/	/	/
LCDRGB	24bit 1920×1200	24bit 1920×1200	24bit 1920×1200
LVDS	1	1	1
MIPIDSI	1	1	1
MIPICSI	1	1	1
MIPICSI/DSI	/	/	/
HDMI	1	1	1
EDP	/	/	/
CSI	1	1	1
PCIE	1	1	1
SATA	/	1	1
OS	Linux/Ubuntu/Wince7/ Android/Yocto	Linux/Ubuntu/Android/Yocto	Linux/Ubuntu/Android/Yocto

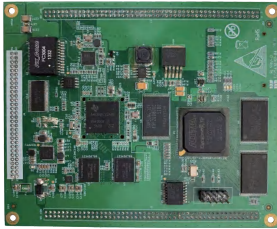
ModelName	WEC-MX8MN-F	WEC-MX8Q
	i.MX 8M Mini	i.MX 8Q
Picture		
CPU1	NXP i.MX 8M Mini, ARM Cortex-A53×4+M4F, 1.8GHz	NXP i.MX 8QudaMAX, ARM Cortex-A72×2+A53×4+M4F×2, 1.6GHz
RAM1	1GB/2GB DDR4	2GB LPDDR4(64bit)
FLASH1	8GB+ EMMC	8GB+ EMMC
CPU2	M4F	M4F×2
RAM2	/	/
FLASH2	/	/
SDIO	3	1x 8bit, 1×4Bit
NET1	RGMII/RMII/MII	1000Mbps
NET2	RMII/MII	1000Mbps
USB2.0	2	2×USB2.0(1 with PHY, 1 with HSIC)
USB3.0	/	1×USB3.0 with PHY
UART	4	8
CAN	/	3
I2S	5	/
I2C	4	18
SPI	3	4
PWM	4	4
ADC	/	2×4-channel ADC converters
LCDRGB	/	/
LVDS	/	2
MIPIDSI	1	2
MIPICSI	1	2
MIPICSI/DSI	/	/
HDMI	/	1
EDP	/	1
CSI	/	2×Quad Lane MIPI CSI-2
SGMII	/	/
PCIE	1	1x PCI-E 3.0(2-lanes)
SATA	/	/
OS	Linux / Android	Linux / Android

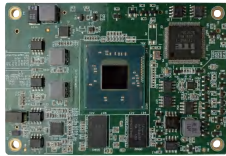
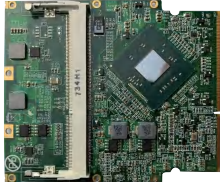
A 嵌入式工业核心板WEC

ModelName	WEC-1020D / WEC-1021D / WEC-1022D	WEC-1023D/WEC-1028D/ WEC-1043D/WEC-1046D
Alias	LS1021	LS1023A
Picture		
CPU1	NXP LS1021A, ARM Cortex-A7×2, 1.0GHz	NXP LS1023A, ARM Cortex-A53×2, 1.6GHz
RAM1	512MB/1GB/2GB DDR3 With ECC	2GB DDR4
FLASH1	4GB+ EMMC	8GB+ EMMC
CPU2	/	/
RAM2	/	/
FLASH2	/	/
SDIO	1	1
NET1	RGMII/RMII/MII/SGMII	RGMII
NET2	RGMII/RMII/MII/SGMII	RGMII
USB2.0	1	/
USB3.0	1	3
UART	6	6
CAN	4	/
I2S	4	/
I2C	3	4
SPI	2	1
PWM	8	/
ADC	/	/
LCDRGB	/	/
LVDS	/	/
MIPIDSI	/	/
MIPICSI	/	/
MIPICSI/DSI	/	/
HDMI	/	/
EDP	/	/
CSI	/	/
PCIE	2	3
SATA	1	1
OS	Linux	Linux

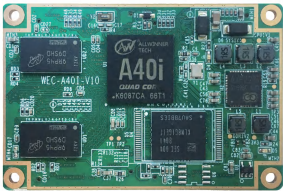
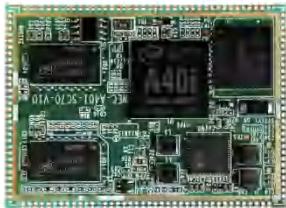
ModelName	WEC-1028	WEC-1043G WEC-1046G
Alias	LS1028A	LS1043A / LS1046A
Picture		
CPU1	NXP LS1028A, ARM Cortex-A72×2, 1.5GHz	NXP LS1043A, ARM Cortex-A53×4, 1.6GHz/ LS1046A, ARM Cortex-A72×4, 1.8GHz
RAM1	2GB DDR4	2GB DDR4
FLASH1	8GB+ EMMC	8GB+ EMMC
CPU2	/	/
RAM2	/	/
FLASH2	/	/
SDIO	1	1
NET1	RGMII×1	RGMII×2
NET2	QSGMII×1, SGMII×4	QSGMII×1, SGMII×5
USB2.0	1	/
USB3.0	1	3
UART	4	6
CAN	2	/
I2S	6	/
I2C	6	4
SPI	2	1
PWM	/	/
ADC	/	/
LCDRGB	/	/
LVDS	/	/
MIPIDSI	/	/
MIPICSI	/	/
MIPICSI/DSI	/	/
HDMI	/	/
EDP	1	/
CSI	/	/
PCIE	2	3
SATA	1	1
OS	Ubuntu/OpenWrt	Ubuntu/OpenWrt

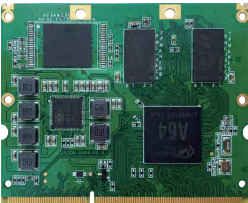
A 嵌入式工业核心板WEC

ModelName	WEC-T352D / WEC-T354D WEC-T358D / WEC-T359D	WEC-T352D-F103	WEC-T359-4CE4
Alias	AM335x	AM3352+STM32	AM3352+FPGA
Picture			
CPU1	TI AM335x, ARM Cortex-A8	TI AM335x, ARM Cortex-A8	TI AM335x, ARM Cortex-A8
RAM1	128MB/256MB/512MB DDR3	128MB/256MB/512M DDR3	128MB/256MB/512MB DDR3
FLASH1	4GB+ EMMC	4GB+ EMMC	4GB+ EMMC
CPU2	/	STM32F103	EP4CE40F484
RAM2	/	64KB SRAM	1MB SRAM
FLASH2	/	128KB FLASH	/
SDIO	2	2	2
NET1	MII/RMII/RGMII	MII/RMII/RGMII	MII/RMII/RGMII
NET2	MII/RMII/RGMII	MII/RMII/RGMII	MII/RMII/RGMII
USB2.0	2	2	2
USB3.0	/	/	/
UART	6	6	6
CAN	2	2	2
I2S	2	2	2
I2C	3	3	3
SPI	2	2	2
PWM	3	3	3
ADC	12bit ×8	12bit ×8	12bit ×8
LCDRGB	24bit 2048×2048	24bit 2048×2048	24bit 2048×2048
LVDS	/	/	/
MIPI DSI	/	/	/
MIPI CSI	/	/	/
MIPI CSI/DSI	/	/	/
HDMI	/	/	/
EDP	/	/	/
CSI	/	/	/
PCIE	/	/	/
SATA	/	/	/
OS	Linux/Ubuntu/WinCE7	Linux/Ubuntu/WinCE7	Linux/Ubuntu/WinCE7

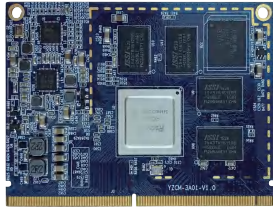
ModelName	WEC-J180D / WEC-J190D	WEC-J180E / WEC-J190E
Alias	/	/
Picture		
Processor	Intel Celeron J1800, Dual-core, 2.41~2.58GHz/J1900, Quad-core, 2.0~2.42GHz	
Memory	1×DDR3L 1333MHz SO-DIMM, up to 8GB	1xDDR3L 1333MHz SO-DIMM, up to 8GB
Storage	2×SATA	2×SATA
Video	eDP, VGA, DDI2 or HDMI, VGA, DDI2	eDP, VGA, DDI2 or HDMI, VGA, DDI2
I/O	1xUSB3.0+2xUSB2.0, 6xCOM(TTL), 16xGPIO	1xUSB3.0+2xUSB2.0, 6xCOM(TTL), 16xGPIO
Ethernet	-	-
Audio	YES	YES
Expansion	4×PCIe	4×PCIe
Dimension	92×62mm	90×75mm
OperationTemp	SSD:-10℃~60℃, HDD:0℃~40℃	SSD:-10℃~60℃, HDD:0℃~40℃
StorageTemp	-40℃~85℃	-40℃~85℃
Relative Humidity	5%~95%, Non-condensing	5%~95%, Non-condensing
OS	Win7/Win8/Win10/Linux/Unix	Win7/Win8/Win10/Linux/Unix

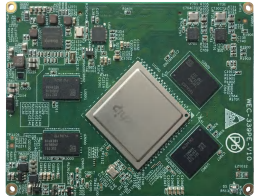
A 嵌入式工业核心板WEC

ModelName	WEC-A40I WEC-AT3IR WEC-AT3PR	WEC-A40I-SC70 / WEC-AT3I-SC70 WEC-AT3P-SC70 / WEC-SCM701-SC70
Alias	A40I	A40I
Picture		
CPU1	Allwinner A40I/Allwinner T3/Allwinner T3 Pro ARM Cortex-A7×4, 1.2GHz	Allwinner A40i/Allwinner T3/Allwinner T3 Pro/ Smartchip SCM701, ARM Cortex-A7×4, 1.2GHz
RAM1	1GB DDR3	1GB DDR3
FLASH1	8GB+ EMMC	8GB+ EMMC
CPU2	/	/
RAM2	/	/
FLASH2	/	/
SDIO	4	1
NET1	MII	MII×1
NET2	/	MII×1
USB2.0	3	3
USB3.0	/	/
UART	8	6
CAN	/	/
I2S	2	1
I2C	5	2
SPI	4	2
PWM	8	4
ADC	6bit ×2	2
LCDRGB	24bit 1920×1080	1
LVDS	1	1
MIPI DSI	1	/
MIPI CSI	/	/
MIPI CSI/DSI	/	/
HDMI	1	/
EDP	/	/
CSI	2	1
SGMII	/	/
PCIE	/	/
SATA	1	/
OS	Linux/Android/SylixOS	Linux/Ubuntu/Android

ModelName	WEC-AT3I WEC-AT3P WEC-A40IR	WEC-A64I
Alias	T3	A64
Picture		
CPU1	Allwinner T3/Allwinner T3 Pro/Allwinner A40i ARM Cortex-A7×4, 1.2GHz	Allwinner A64, ARM Cortex-A53×4, 1.2GHz
RAM1	512MB / 1GB DDR3	512MB / 1GB / 2GB DDR3
FLASH1	8GB+ EMMC	8GB+ EMMC
CPU2	/	/
RAM2	/	/
FLASH2	/	/
SDIO	2	2
NET1	RGMII / RMII	RGMI
NET2	/	/
USB2.0	2	3
USB3.0	/	/
UART	6	8
CAN	/	/
I2S	2	2
I2C	4	5
SPI	2	4
PWM	2	8
ADC	6bit ×1	6bit ×2
LCDRGB	24bit 1920×1200	24bit 1920×1080
LVDS	1	1
MIPI DSI	1	1
MIPI CSI	/	/
MIPI CSI/DSI	/	/
HDMI	1	1
EDP	/	/
CSI	1	2
SGMII	/	/
PCIE	/	/
SATA	/	1
OS	Linux/Android/SylixOS	Linux/Android

A 嵌入式工业核心板WEC

ModelName	WEC-3288D	WEC-3399D
Alias	RK3288	RK3399
Picture		
CPU1	Rockchip RK3288, ARM Cortex-A17×4, 1.8GHz	Rockchip RK3399, ARM Cortex-A72×2+A53×4, 1.8GHz
RAM1	512MB/1GB/2GB DDR3	512MB/1GB/2GB DDR3
FLASH1	4GB+ EMMC	4GB+ EMMC
CPU2	/	/
RAM2	/	/
FLASH2	/	/
SDIO	2	2
NET1	RGMI	RGMII
NET2	/	/
USB2.0	3	2
USB3.0	/	2
UART	5	5
CAN	/	/
I2S	2	2
I2C	5	4
SPI	2	2
PWM	1	2
ADC	10bit ×3	10bit ×4
LCDRGB	/	/
LVDS	1	1
MIPI DSI	1	1
MIPI CSI	1	1
MIPI CSI/DSI	1	1
HDMI	1	1
EDP	1	1
CSI	1	1
SGMII	/	/
PCIE	/	4
SATA	/	1
OS	Linux / Android	Linux / Android / Debian

ModelName	WEC-3288E	WEC-3399E	WEC-3399PE
Alias	RK3288	RK3399	RK3399PRO
Picture			
CPU1	Rockchip RK3288, ARM Cortex-A17×4, 1.8GHz	Rockchip RK3399, ARM Cortex-A72×2+A53×4, 1.8GHz	Rockchip RK3399 pro, ARM Cortex-A72×2+A53×4+NPU, 1.8GHz
RAM1	512MB/1GB/2GB DDR3	2GB/4GB LPDDR4	2GB/4GB LPDDR4
FLASH1	4GB+ EMMC	4GB+ EMMC	4GB+ EMMC
CPU2	/	/	NPU, 3.0TOPs
RAM2	/	/	2GB LPDDR4
FLASH2	/	/	/
SDIO	2	2	2
NET1	10/1000Mbps	10/100Mbps	10/100Mbps
NET2	10/100Mbps	10/100Mbps	10/100Mbps
USB2.0	5	5	5
USB3.0	/	2	2
UART	5	5	5
CAN	/	/	/
I2S	2	2	2
I2C	5	4	4
SPI	2	2	2
PWM	2	2	2
ADC	2	2	2
LCDRGB	/	/	/
LVDS	1	/	/
MIPI DSI	1	1	1
MIPI CSI	1	1	1
MIPI CSI/DSI	1	1	1
HDMI	1	1	1
EDP	1	1	1
CSI	1	1	1
PCIE	/	4	4
SATA	/	/	/
OS	Linux/Ubuntu/Android	Linux/Ubuntu/Android/Debian	Linux/Ubuntu/Android/Debian

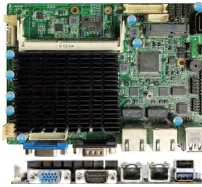
B 嵌入式工业主板WEA/WED

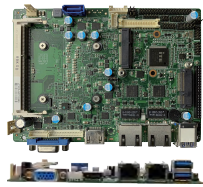
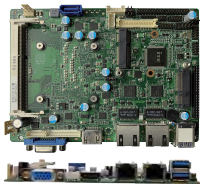
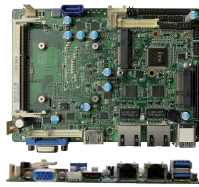


● 嵌入式工业主板WEA/WED

ModelName	WED-MX6U3-1560/ WED-MX6D3-1560/ WED-MX6Q3-1560	WED-MX6L2-2420	WEA-10213-3420
Alias	DM3601	PICO-3701	DM3A05
Picture			
Processor	NXP i.MX6U/6D/6Q, ARM Cortex-A7/A9×2/A9×4, 0.5/1.0/1.0GHz	NXP i.MX 6UL/6ULL, ARM Cortex-A7, 528/792MHz	NXP LS1021A, ARM Cortex-A7×2, 1.0GHz
Memory	512MB/1GB/2GB DDR3	128MB/256MB/512MB DDR3	512MB/1GB/2GB DDR3 With ECC
Storage	4GB+ EMMC, TF Slot	256MB/512MB SLC NAND or 4GB+ EMMC, TF Slot	SPI Flash, TF Slot(or 4GB+ EMMC), 1xSATA
Video	HDMI+LVDS	24bit 1366x768	/
I/O	1×Micro USB OTG, 4×USB 2.0 +2×USB 2.0 Header, 4×RS232 +1xRS232/RS485, 2×CAN, 4×Key, I2CCTP, LCD Backlight PWM and ONOFF	2×USB 2.0, 2xRS232+2×RS485, 4×15PINExt(4xUart, 2×CAN, SPI, I2C, GPIO, ADC)	1×USB3.0, 1×USB2.0 +2×USB 2.0 Header, 2×Isolated RS232/RS485 +2×Isolated RS485/CAN, SPI/I2C/GPIO/KEY
Ethernet	1xRJ45 (ATHEROS AR8035) Ethernet 10/100/1000Mbps	2×RJ45 (LAN8720) Ethernet 10/100Mbps	3xRJ45 (2xATHEROS AR8035 +1xTIDP83867) Ethernet 10/100/1000Mbps
Audio	1×Line-out, 1xMic-in, 2×2w/8Ω	/	/
Expansion	1×Mini PCIe(for WIFI/4G), Onboard AP6181SDIO 802.11b/g2.4G WIFI	1×Mini PCIe(for WIFI/4G), Onboard RTL8723BU WIFI and BT	1×Mini PCIe(for WIFI/4G), Onboard RTL8723BU WIFI and BT, 1xMini PCIe, 1xPCIe
Dimension	146×105mm	100×72mm	146×105mm
OperationTemp	-20°C~70°C	-20°C~70°C	-20°C~70°C
StorageTemp	-40°C~85°C	-40°C~85°C	40°C~85°C
Relative Humidity	5%~95%, Non-condensing	5%~95%, Non-condensing	5%~95%, Non-condensing
Power	DC 9-28V	DC 9-28V	DC 9-28V
OS	Linux/Ubuntu/Wince7 Android/Yocto/QNX	Linux/Ubuntu/ UbuntuCore/Yocto	Linux/Ubuntu/QNX

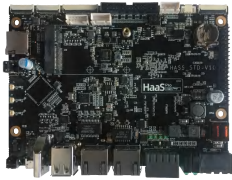
B 嵌入式工业主板WEA/WED

ModelName	WED-J1903-2670	WED-J1903-2671	WED-J1903-2672
Alias	/	/	/
Picture			
Processor	Intel® Bay Trail Celeron® J1900 processor (2.00G Hz)		
Memory	DDR3L 1333M Hz, 1×SODIMM, up to 8GB		
Storage	1×SATA 2.0, 1×mSATA		
Video	双屏异显VGA/HDMI/LVDS	双屏异显 VGA / LVDS	双屏异显VGA/HDMI/LVDS
I/O	6xUSB2.0, 1xUSB3.0,5xRS232, 1xRS485/232, 1x8-bit GPIO	6×USB2.0, 1×USB3.0, 5×RS232, 1×RS485 1×8-bit GPIO	
Ethernet	2xIntel® i211GbE (10/100/1000M bps)	2×Realtek® 8111FGbE(10/100/1000Mbps)	
Audio	Realtek® ALC662 5.1 channel HDA Codec, support Mic / Line-out Ports		
Expansion	2× full-size Mini PCIe (1× mSATA, 1 x Wifi / 3G/4G)		
Dimension	146 x 105mm		
OperationTemp	-10°C ~ 60°C		
StorageTemp	-40°C ~ 85°C		
Relative Humidity	5% ~ 95%, Non-condensing		
Power	DC 12V		
OS	Windows 7 / 8 / 10, Linux		

ModelName	WED-385U3-2680	WED-385U3-2681	WED-562U3-2680
Alias	/	/	/
Picture			
Processor	Intel® 6th Gen. Celeron® 3855U processor(1.60G Hz)		Intel® 6th Gen. i5-6200U processor(2.3G Hz)
Memory	DDR3L 1333/1600M Hz, 1×SODIMM, up to 8GB		
Storage	1 x SATA 3.0, 1×mSATA		
Video	三屏异显VGA/LVDS/eDP	三屏异显VGA/HDMI/LVDS/eDP	三屏异显VGA/HDMI/LVDS/eDP
I/O	6×USB2.0, 2×USB3.0, 5×RS232, 1 ×RS485 / RS232 / 1×8-bit GPIO		6×USB2.0, 2×USB3.0, 5×RS232, 1×RS485/RS232/1×8-bit GPIO
Ethernet	2×Intel® WGI211ATGbE(10/100/1000Mbps)		
Audio	Realtek® ALC6625.1		
Expansion	2×full-size Mini PCIe (1×mSATA, 1×Wifi/3G/4G)		
Dimension	146×105mm		
OperationTemp	-10℃~60℃		
StorageTemp	-40℃~85℃		
Relative Humidity	5%~95%,Non-condensing		
Power	DC 9-28V		
OS	Windows7/8/10, Linux		



B 嵌入式工业主板WEA/WED

ModelName	HAAS-STD	WED-33993-1560
Alias	/	DM3A02
Picture		
Processor	Rockchip RK3288, ARM Cortex-A17×4, 1.8GHz	Rockchip RK3399, ARM Cortex-A72×2+A53×4, 1.8GHz
Memory	2GB	2GB/4GB LPDDR4
Storage	TF Slot	4GB+ EMMC, TF Slot
Video	1×LVDS, 1×EDP	HDMI+LVDS+EDP+2xMIPI
I/O	2×USB2.0 HOST, 1×USB2.0 OTG, 1×RS232, 1×RS485, 1×I2C, 2×MIPI, 1×CIF, 1×TC, 1×RTC, 1×SIM,	1×Type C, 1×USB 3.0, 3×USB 2.0+2×USB 2.0 Header4×RS232+1×RS232/RS485, 2×Key+4ADC Key, 2×I2CCTP, LCD Backlight PWM and ONOFF
Ethernet	1×RJ45 100Mbps, 1×RJ45 1000 Mbps	1xRJ45 (REALTEK RTL8152B) Ethernet 10/100Mbit
Audio	/	2xLine-out, 1xMic-in
Expansion	1×Mini PCIe(for 4G)	1xMini PCIe(for WIFI/4G), Onboard AP6181SDIO 802.11b/g2.4G WIFI
Transport	WIFI, BT	/
Dimension	146mm×105mm	146×105mm
OperationTemp	-10°C~60°C	-10°C~60°C
StorageTemp	-40°C~85°C	-40°C~85°C
Relative Humidity	5%~95%, Non-condensing	5%~95%, Non-condensinG
Power	DC 12-24V	DC 9-28V
OS	Linux/android	Linux/Ubuntu/Android/Debian

ModelName	DM3A2K	WED-FL-D24E-CAT1
Alias	/	/
Picture		
Processor	Loongson 2K1000, MIPIS GS264×2, 1.0GHz	Fibicon L610-CN-LTE-CAT1
Memory	2GB DDR3	/
Storage	8GB+EMMC	/
Video	HDMI	/
I/O	4×USB2.0, 1×MicroUSB, 2×RS232, 2×RS485, 3×PEM, 2×I2C, 1×SPI, 1×SIM	1×RS232, 1×RS485, 4×LED, 1×key, 1×relay
Ethernet	2×RJ45 10/100/1000Mbps	/
Audio	1×MIC, 1×SPEAK	/
Expansion	1×M.2 (for 5G) , 2×Mini PCIe (for 4G/WIFI)	/
Transport	5G/4G/WFI	4G/WIFI/GPS
Dimension	145mm×110mm	85.5mmx84.6mm
OperationTemp	0°C~60°C, 5%~95% (Non-condensing)	0°C~60°C, 5%~95% (Non-condensing)
StorageTemp	-40°C~85°C, 5%~95% (Non-condensing)	-40°C~85°C, 5%~95% (Non-condensing)
Relative Humidity	5~95%, Non-condensing	5~95%, Non-condensing
Power	DC 12V-24V	DC 12V-24V
OS	Linux	FreeRTOS



C 边缘计算网关WEG



ModelName	WEG-DMX6L-1210	WES-DMX6L-2410	WES-DMX6L-2810
Alias	X21	X22	X23
Picture			
Processor	NXP i.MX 6UL/6ULL, ARM Cortex-A7, 528/792MHz		
Memory	128MB/256MB/512MB DDR3		
Storage	8GB+ EMMC, TF Slot		
Video	/		
I/O	1xIsolated RS232 / RS485+ 1× Isolated RS485 1×USB2.0	2xIsolated RS232 / RS485+ 2× Isolated RS485 1×USB2.0	2xRS232 / RS485, 6× RS485 1×USB2.0
Ethernet	1xRJ45 (LAN8720) Ethernet 10/100 Mbps	2xRJ45 (LAN8720) Ethernet 10/100 Mbps	
Audio	/		
Expansion	1xMini PCIe(for WIFI/4G), Onboard RTL8723BU WIFI and BT		
Dimension	112×92×41mm	145×123×33mm	145×123×33mm
OperationTemp	-20°C~70°C		
StorageTemp	-40°C~85°C		
Relative Humidity	5%~95%, Non-condensing		
Power	DC 9-28V		
OS	Linux/Ubuntu/UbuntuCore/Yocto /SylixOS		
Mounting	DIN Mounting		



C 边缘计算网关WEG

ModelName	WEG-DMX6L-2600	WEG-DMX6L-2601	WEG-DMX6L-2420
Alias	X24	X25	X2-PICO-3701
Picture			
Processor	NXP i.MX 6UL/6ULL, ARM Cortex-A7, 528/792MHz		
Memory	128MB / 256MB / 512MB DDR3		
Storage	8GB+ EMMC, TF Slot		
Video	-		
I/O	4×Isolated RS232/RS485, 2×Isolated RS485, 2×CAN	4×Isolated RS232/RS485, 2×Isolated RS485, 1×DI, 1xDO	2×USB2.0, 1×OTG, 2×RS232+ 2×RS485
Ethernet	2×RJ45 (LAN8720) Ethernet 10/100 Mbps		
Audio	/		
Expansion	1×Mini PCIe (for WIFI/4G), Onboard RTL8723BU WIFI and BT		
Dimension	145×120×33mm	145×120×33mm	110×92×41mm
OperationTemp	-20°C~70°C		
StorageTemp	-40°C~85°C		
Relative Humidity	5%~95%, Non-condensing		
Power	DC 9-28V		
OS	Linux/Ubuntu/UbuntuCore/Yocto/SylixOS		
Mounting	DIN Mounting		

ModelName	WEG-D1012-2110	WEG-D1021-3420	WEG-W1043-6130
Alias	X30	X31	X32
Picture			
Processor	NXP LS1012A, ARM Cortex-A7×2, 1.0GHz	NXP LS1021A, ARM Cortex-A7×2, 1.0GHz	NXP LS1043A, ARM Cortex-A53×4, 1.5GHz
Memory	512MB DDR3	512MB/1GB/2GB DDR3 With ECC	2GB/4GB DDR4
Storage	2MB QSPI FLASH, TF Slot	SPI Flash, TF Slot (or 4GB+ EMMC),SATA	128MB Nor/256MB NAND, TF Slot, SATA
Video	/	/	/
I/O	1×USB2.0, 1×RS232(RJ45)	1×USB3.0, 1×USB2.0+ 2×RS232/RS485, 2×RS485/CAN, SPI/I2C/GPIO/KEY	1×USB2.0+2×USB2.0 Header, 1×RS232(RJ45)
Ethernet	2×RJ45 (REALTEK RTL8111F) Ethernet 10/100/1000Mbps	3×RJ45 (2×ATHEROS AR8035 +1xTIDP83867) Ethernet 10/100/1000Mbps	6×RJ45 (REALTEK RTL8111F) Ethernet 10/100/1000Mbps
Audio	/	/	/
Expansion	1×Mini PCIe	1×Mini PCIe (for WIFI/4G/5G), Onboard RTL8723BU WIFI and BT, 1×Mini PCIe, 1×PCIe	1×Mini PCIe, PCIe×4
Dimension	160×140×68mm	170×139×62mm	257×140×49mm
OperationTemp	-20°C~70°C	-20°C~70°C	-20°C~70°C
StorageTemp	-40°C~85°C	-40°C~85°C	-40°C~85°C
Relative Humidity	5%~95%, Non-condensing	5%~95%, Non-condensing	5%~95%, Non-condensing
Power	DC 12V	DC 9-28V	DC 12V
OS	Linux	Linux/Ubuntu/QNX/SylixOS	Linux
Mounting	DIN Mounting	DIN Mounting	Wall Mounting



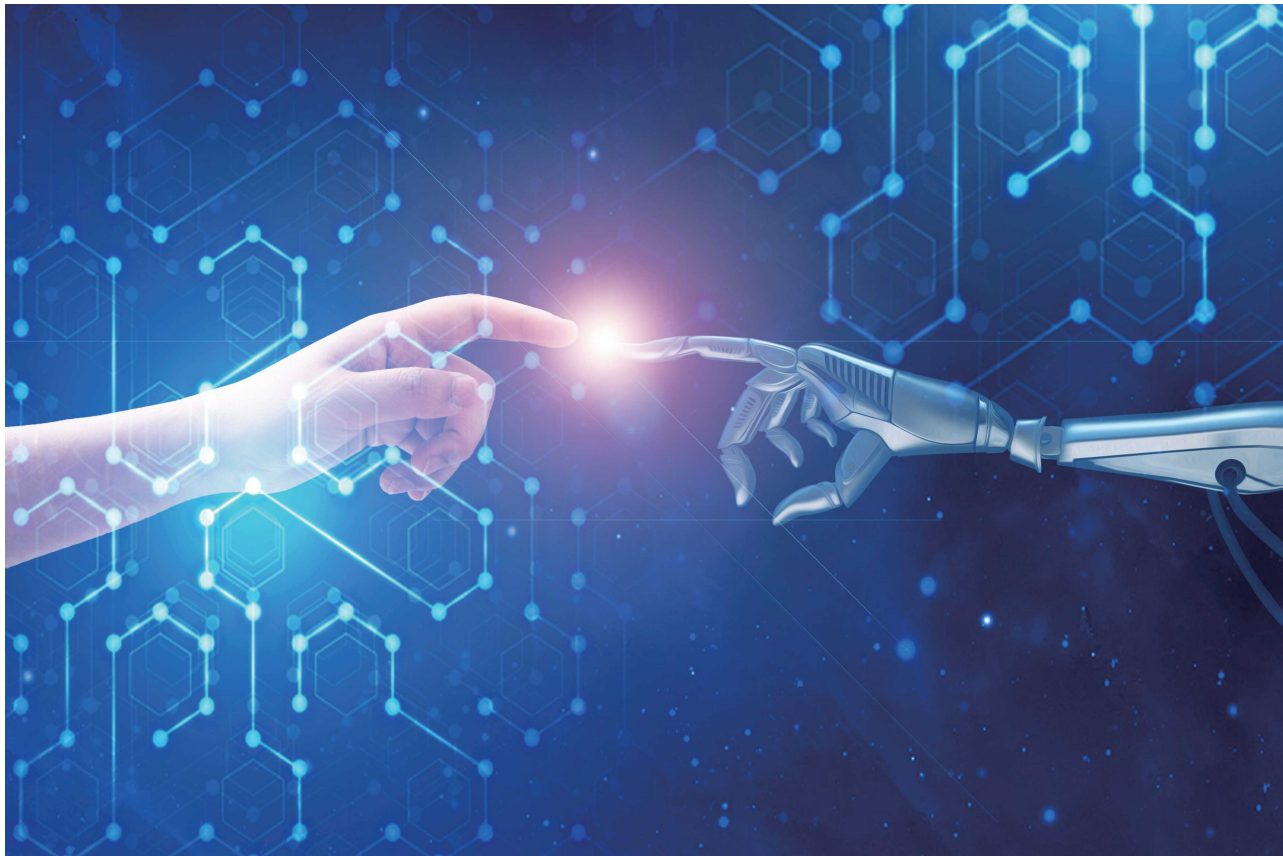
C 边缘计算网关WEG

ModelName	WEG-DMX6U-3420/ WEG-DMX6D-3420/ WEG-DMX6Q-3420	WEG-DJ180-2440/ WEG-DJ190-2440
Alias	X61	X42-MBUS-KNX
Picture		
Processor	NXP i.MX 6U/6D/6Q, ARM Cortex-A7/A9×2/A9×4, 0.5/1.0/1.0GHz	Intel® Bay Trail Celeron® J1800/J1900
Memory	512MB/1GB/2GB DDR3	1×DDR3L 1333MHz SO-DIMM, up to 8GB
Storage	256MB/512M SLC NAND or 4GB+ EMMC, TF Slot	1×SATA+1×MSATA
Video	HDMI, LVDS	HDMI
I/O	2×USB2.0, 2×Isolated RS232/RS485+2×Isolated RS485, SPI/I2C/GPIO	1×USB 3.0, 3×USB 2.0, 2×RS232/RS485+ 2×Isolated RS232 /RS485, 2×MBus, 1×KNX
Ethernet	1×RJ45(ATHEROS AR8035) Ethernet 10/100/1000Mbps 2×RJ45(REALTEK RTL8152B) Ethernet 10/100Mbps	2×RJ45 (Intel I211AT) Ethernet 10/100/1000Mbps
Audio	/	/
Expansion	1×Mini PCIe(for WIFI/4G), Onboard AP6181 SDI 802.11b/g 2.4G WIFI	2x Mini PCIe (for WIFI/4G)
Dimension	174×140×34mm	126×93x65mm
OperationTemp	-20℃~70℃	SSD:-10℃~60℃, HDD:0℃~40℃
StorageTemp	-40℃~85℃	-40℃~85℃
Relative Humidity	5%~95%, Non-condensing	5%~95%, Non-condensing
Power	DC 9-28V	DC 9-36V
OS	Linux/Ubuntu/Wince7 /Android/Yocto/QNX	Win7/Win8/Win10/ Linux/Unix
Mounting	DIN Mounting	DIN Mounting

ModelName	WES-DA40I-1240	WES-W2K10-2440
Alias	/	/
Picture		
Processor	Allwinner A40i, ARM Cortex-A7×4, 1.2GHz	Loongson 2K1000, MIPIS GS264×2, 1.0GHz
Memory	1GB	2GB
Storage	TF Slot	32GB
Video	1×HDMI	1×HDMI
I/O	1×RS232/485, 1×RS232, 4×USB2.0, 1×OTG, 1×SIM,	2×RS232, 2×RS485, 1×CAN, 4×USB2.0, 1×OTG, 1×SIM
Ethernet	2×RJ45 (10/100/1000Mbps)	2×RJ45 (10/100/1000Mbps)
Audio	/	/
Expansion	1×mini PCIe (for WIFI/4G)	1×M.2 (for 5G), 1×mini PCIe (for 4G), 1×mini PCIe (for WIFI)
Dimension	153×120×44mm	160×140×66mm
OperationTemp	-20℃~70℃	0℃~60℃
StorageTemp	-40℃~85℃	-40℃~85℃
Relative Humidity	5%~95%RH, Non-condensing	5%~95%RH, Non-condensing
Power	DC 12-24V	DC 12/24V
OS	Android/LINUX	Loongnix release1.0
Mounting	DIN mounting	DIN mounting



D 人工智能AI-BOX

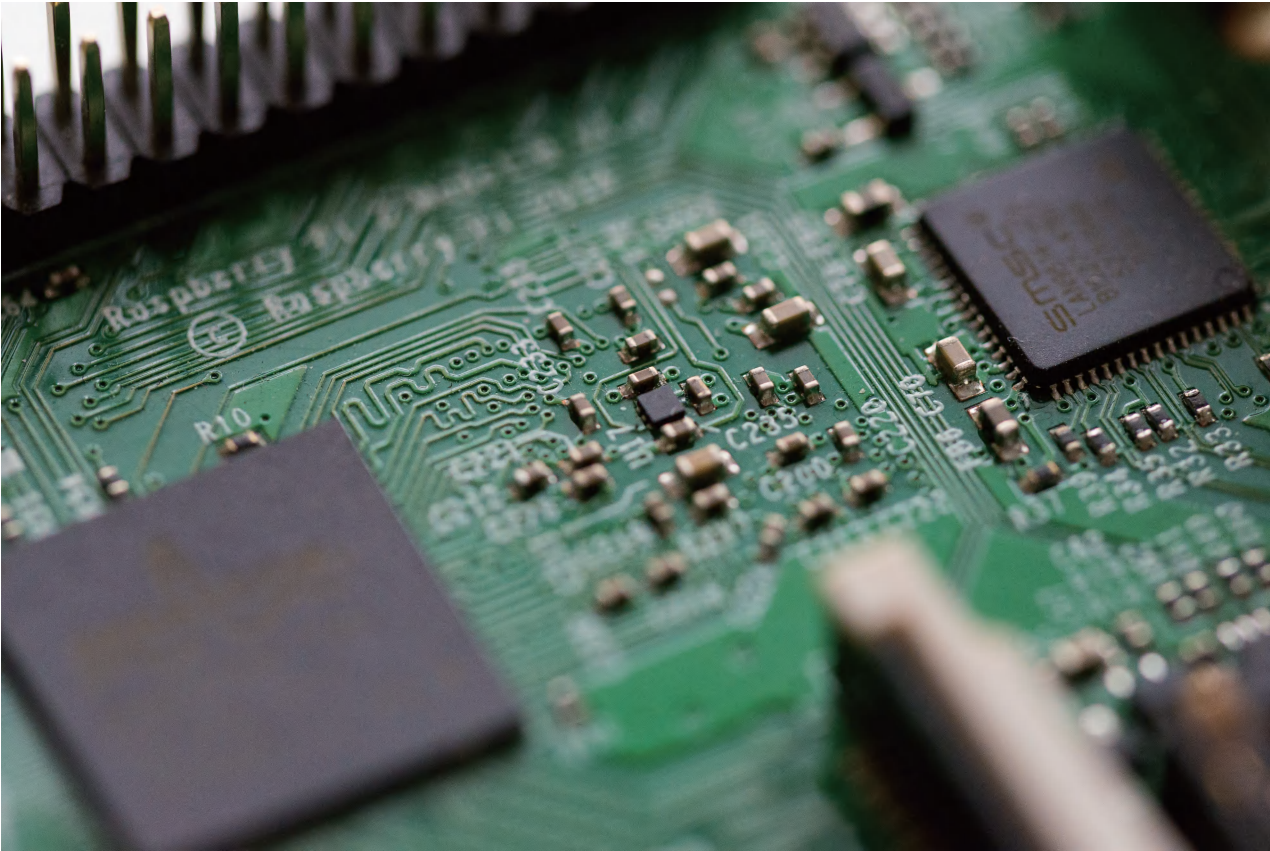


ModelName	WES-WJ345-2240	WES-WJ345-234A	WES-W572U-2220/ WES-W385U-2220/ WES-WJ190-2220
Picture			
Processor	Intel Celeron J3455, Quad-core, 1.5~2.3GHz	Intel Celeron J3455, Quad-core, 1.5~2.3GHz	Intel Gen.6 Celeron 3855U/ J1900 / CoreI5-7200U
Memory	DDR3L 1600MHz, 1xSO-DIMM Slot, Up to 8GB	Support DDR3L 1600MHz, 1× SO-DIMM, Up to 8GB	DDR3L 1600MHz, 1×SO-DIMM Slot, up to 16GB
Storage	128GB / 256GB / 512GB	1× 2.5" HDD Bay, 1× mSATA SSD	1×mSATA 3.0, 1×M.2 2280 B+M key SSD 128/256/512GB
Video	1×HDMI	1×HDMI, 1×VGA,	HDMI
I/O	2×RS485, 4×USB3.0, 1×MicroUSB (OTG), 1×SIM, 1×TF	3×RS232, 2×USB3.0 (Type-A), 2×USB2.0 (Type-A) 1×DC 12V IN, 1×DC 12V OUT	2×RS232, 1×USB2.0, 2×USB3.0
Ethernet	2×RJ45 (10 / 100 / 1000Mbps)	1×RJ45(10/100/1000Mbps), 1×RJ45(10/100Mbps), 1x RJ11	2×RJ45 (10/100/1000Mbps) Inter I120AT
Audio	/	/	/
Expansion	2×mini PCIe	2×mini PCIe	1×M.2 2×mini PCIe
VPU (for AI)	Intel Movidius Myriad×2485, 2/4 TOPs	Intel Movidius Myriad×2485, 2/4 TOPs	Intel Movidius Myriad×2485, 2TOPs/ 寒武纪思元MLU220-M.2, 8TOPs
Dimension	207×135×87mm	278×185×113mm	140×95×70mm
OperationTemp	-10℃~60℃	-10℃~60℃	-10℃~60℃
StorageTemp	-40℃~85℃	-40℃~85℃	-40℃~85℃
Relative Humidity	5%~85%RH, Non-condensing	5%~85%RH, Non-condensing	5%~85%, Non-condensing
Power	DC 12V/24V	DC 12V/24V	DC 12V/24V
OS	CENTOS7.6	Windows 7/10, Linux/CentOS	Windows 7/10, Linux/CentOS
Mounting	Desktop/Wall Mounting	Desktop/Wall Mounting	DIN Mounting



D 人工智能AI-BOX

ModelName	WES-WNX00-3220 WES-WTX20-3220 WES-WNANO-3220	WES-W3399-3220
Picture		
Processor	NVIDIA Jetson Xavier NX, 6-core Carmel ARM v8.2, 1.9GHz (Compatible with NVIDIA Jetson TX2 NX,NANO)	Rockchip RK3399, ARM Cortex-A72×2+A53×4, 1.8GHz
Memory	8GB	2GB/4GB
Storage	TF Slot	TF Slot
Video	2×HDMI	1×HDMI
I/O	1×RS232, 1×RS485, 1×IO, 1×USB3.0, 1×Micro USB (OTG), 1×SIM,	2×RS232/RS485, 1×USB3.0, 1×Micro USB (typeC), 1×SIM,
Ethernet	2×RJ45 (10/100Mbps), 1×RJ45 (10/100/1000Mbps)	3×RJ45 (10/100Mbps)
Audio	1×MIC, 1×LINE	/
Expansion	1×mini PCIe(for WIFI/4G)	1×mini PCIe(for WIFI/4G) , 4×mini PCIe(for VPU)
VPU (for AI)	NVIDIA Jetson Xavier NX, 21TOPs	Rockchip RK1808, 3.0TOPs (up to×4)
Dimension	199×135×56mm	197×135×87mm
OperationTemp	-10℃~60℃	-10℃~60℃
StorageTemp	-40℃~85℃	-40℃~85℃
Relative Humidity	5%~85%RH, Non-condensing	5%~85%RH, Non-condensing
Power	DC 12V/24V	DC 12V/24V
OS	Ubuntu18.04	Android/Linux/Ubuntu18.04
Mounting	Wall Mounting	Desktop/Wall Mounting



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E 工业计算机WES



ModelName	WES-DJ180-2120/ WES-DJ190-2120	WES-WJ180-2120/ WES-WJ190-2120	WES-W572U-22H0
Alias	eBox-X41	/	/
Picture			
Processor	Intel® Bay Trail Celeron® J1800/J1900	Intel®Celeron® J1800/J1900	Intel Core i5 6200U/7200U
Memory	1×DDR3L 1333M Hz SO-DIMM, up to 8GB	DDR3L 1600MHz SO-DIMM×1, up to 8GB	DDR4-1866/2133MHz, SO-DIMM×1, up to 16GB
Storage	1×SATA+1×MSATA	MSATA	1×8GB/16GB/32GB EMMC
Video	HDMI	HDMI	1×HDMI
I/O	1×USB 3.0; 3×USB 2.0, 2×RS232/RS485	1×RS232, 1×USB3.0, 1×USB2.0,	2×RS232, 32×USB2.0
Ethernet	2×RJ45 (Realtek 8111F) Ethernet 10/100/1000Mbps	2×RJ45 (10/100/1000Mbps)	2×RJ45 (10/100/1000Mbps)
Audio	/	/	/
Expansion	1×Mini PCIe (for WIFI/4G), Onboard RTL8723BU WIFI and BT	2×Mini PCIe (for WIFI/4G)	/
Dimension	126×92×52mm	145×92×35mm	295×180×48mm
OperationTemp	SSD:-10°C~60°C, HDD:0°C~40°C	-10°C~60°C	-10°C~60°C
StorageTemp	-40°C~85°C	-40°C~85°C	-40°C~85°C
Relative Humidity	5%~95%, Non-condensing	5%~90%RH, Non-condensing	5%~95%RH, Non-condensing
Power	DC 9-36V	DC 12V/24V	DC 12V/24V
OS	Win7/Win8/Win10 Linux/Unix	Win7/Win8/Win10 Linux/CentOS	Win7/Win8/Win10 Linux/CentOS
Mounting	DIN Mounting	DIN Mounting	Wall Mounting



E 工业计算机WES

ModelName	WES-WMX6U-2540/ WES-WMX6D-2540/ WES-WMX6Q-2540	WES-W3399-2540
Alias	/	/
Picture		
Processor	NXP i.MX 6U/6D/6Q, ARM Cortex-A7/A9×2/A9×4, 0.5/1.0/1.0GHz	Rockchip RK3399, ARM Cortex-A72×2+A53×4, 1.8GHz
Memory	1GB/2GB/4GB	2GB/4GB
Storage	8GB/16GB EMMC	8GB/16GB/32GB EMMC
Video	HDMI	HDMI
I/O	1×Isolated RS232, 1×Isolated RS232/485, 2×RS232/CAN, 1×RS232; 4×USB2.0 Type-A, 1×Mirco USB OTG 1×SIM (for 4G)	1×Isolated RS232, 1×Isolated RS232/485, 2×RS232/CAN, 1×RS232; 4×USB2.0 Type-A, 1×USB Type-C 1×SIM (for 4G)
Ethernet	2×RJ45 (10/100Mbps)	2×RJ45 (10/100Mbps)
Audio	/	/
Expansion	1×Mini PCIe (for WIFI/4G)	1×Mini PCIe (for WIFI/4G)
Dimension	253×140×32mm	253×140×32mm
OperationTemp	-20°C~70°C	-10°C~60°C
StorageTemp	-40°C~85°C	-40°C~85°C
Relative Humidity	5%~85%RH, Non-condensing	5%~85%RH, Non-condensing
Power	DC 12V/24V	DC 12V/24V
OS	Android/Linux	Android/Linux
Mounting	Wall Mounting	Wall Mounting

ModelName	WES-1MX6L-2810	WES-11021-6020	WES-11046-6820
Alias	/	/	/
Picture			
Processor	NXP i.MX 6UL,ARM Cortex-A7, 528MHz	NXP LS1021A, ARM Cortex-A7×2, 1.0GHz	NXP LS1043A/1046A, ARM Cortex-A53×4/A72×4, 1.6GHz/1.8GHz
Memory	256MB	1GB DDR	2GB/4GB
Storage	8GB EMMC	8GB EMMC	8GB/16GB,TFSlot
Video	/	/	/
I/O	4×RS232/RS485, 4×RS485, 1×USB2.0	32x RS485, 2x USB2.0, 1x Debug, 1×主控TTL, 1xSIM	2×USB3.0, 2×RS232/RS485, 6×RS485, 4×DO, 8×IOIN, 3×SIM, 1×SFP
Ethernet	2×RJ45 (10/100Mbps)	4×RJ45 (10/100Mbps)	6×RJ45 (10/100/1000Mbps)
Audio	/	/	/
Expansion	1×mini PCIe (for 4G)	1×Mini PCIe for 4G, 1×Mini PCIe for SATA, 1×Expand Interface	2×M.2 (for 5G), 2×Mini PCIe (for 4G/LoRa)
Dimension	482×204×44mm	482×264×88mm	482×200×44mm
OperationTemp	-20°C~70°C	-20°C~70°C	-20°C~70°C
StorageTemp	-40°C~85°C	-40°C~85°C	-40°C~85°C
Relative Humidity	5%-85%RH, Non-condensing	5%~90%, Non-condensing	5%~85%, Non-condensing
Power	2×AC 220V	AC 220V	AC 220V
OS	Linux/Ubuntu/UbuntuCore/Yocto	Ubuntu	OpenWrt
Mounting	Rack mounting	Rack Mounting	Rack Mounting



F/G 工业显示器WEV/工业平板电脑WEP



WEV
WEP



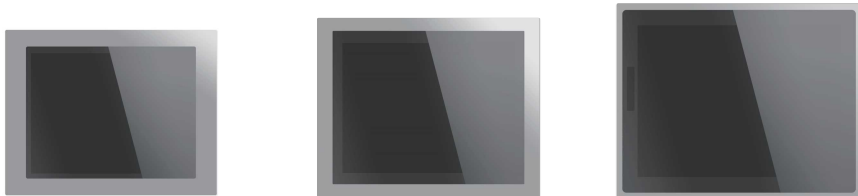
ModelName	Model	WEV-10RS1	WEV-12RS1
Mechanism And Power	structure	Front panel:aluminum-magnesium alloy, anodized coating; Back cover:SGCC, Ground isolation protection	
	Mounting	Support Embedded, wall-mounted, Desktop and VESA mounting	
	Controlbutton	Set Contrast ratio and Luminance via OSD at the back panel	
	Signalinput	VGA&DVI-D	
	communication interface	RS232&USB	
	Power Supply	DC12V	
	colour	Silver(plus black stickers)	
	Dimensions	300.5×234.5×50mm(WxHxD)	321×243×50mm(WxHxD)
	Dimensions	278.5×218.5×44mm(WxHxD)	301×227×44mm(WxHxD)
	Drill Hole Size	282×222mm(WxH)	304×230mm(WxH)
Liquid crystal Display	Size type	10.4"SVGA TFT LCD	12.1"SVGA TFT LCD
	Resolution	800×600	800×600
	Active Area	211.2×158.4mm	246×184.5mm
	MTBF	10, 000小时	50, 000小时
	Luminance	250cd / m²	300cd / m²
	Viewing Angle	(H)100 / (V)130	(H)130 / (V)120
	Pixel Pitch	0.264x0.264(HxV)	0.3075x0.3075
Touch screen	Contrast Ratio	500:1	800:1
	Sizetype	10.4"5-Wire Resistive Touch	12.1"5-Wire Resistive Touch
	Resolution	4096×4096	
	Response Time	<5ms	
	Surface Hardness	3H	
	Click life	250克力度, 3500万次	
	Draw life	250克力度, 500万次	
Environmental parameters	Transmittance	81%以上	
	Temperature	工作:0~+50℃, 储存:-30~+70℃	
	Relative humidity	10~95%@40℃ (无冷凝)	
	Shake	50~500Hz, 1.5G, 0.15mm峰峰值	
	Shock	10G / peak(11ms)	



F 工业显示器WEV



ModelName	WEV-15RS1	WEV-17RS1	WEV-19RS1
structure	Front panel:aluminum-magnesium alloy, anodized coating; Back cover:SGCC, Ground isolation protection		
Mounting	Support Embedded, wall-mounted, Desktop and VESA mounting		
Controlbutton	Set Contrast ratio and Luminance via OSD at the back panel		
Signalinput	VGA&DVI-D		
communication interface	RS232&USB		
Power Supply	DC12V		
colour	Silver(plus black stickers)		
Dimensions	395×313×54mm(WxHxD)	434×342×54mm(WxHxD)	466×370×53mm(WxHxD)
Dimensions	373×297×48mm(WxHxD)	408×322×48mm(WxHxD)	440×349×47mm(WxHxD)
Drill Hole Size	376×300mm(WxH)	411×325mm(WxH)	443×352mm(WxH)
Size type	15"SVGATFTLCD	17"SVGATFTLCD	19"SVGATFTLCD
Resolution	1024×768	1280×1024	1280×1024
Active Area	304.1×228.1mm	338×270mm	376.32×301.06mm
MTBF	50, 000小时	30, 000小时	30, 000小时
Luminance	350cd / m²	250cd / m²	250cd / m²
Viewing Angle	(H)150 / (V)140	(H)150 / (V)130	(H)160 / (V)160
Pixel Pitch	0.297x0.297	0.264x0.264	0.294x0.294
Contrast Ratio	800:1	1000:1	1000:1
Sizetype	10.4"5-Wire Resistive Touch	5-Wire Resistive Touch	5-Wire Resistive Touch
Resolution		4096×4096	
Response Time	<5ms		
Surface Hardness	3H		
Click life	250克力度, 3500万次		
Draw life	250克力度, 500万次		
Transmittance	81%以上		
Temperature	工作:0~+50℃, 储存:-30~+70℃		
Relative humidity	10~95%@40℃(无冷凝)		
Shake	50~500Hz, 1.5G, 0.15mm峰峰值		
Shock	10G / peak(11ms)		



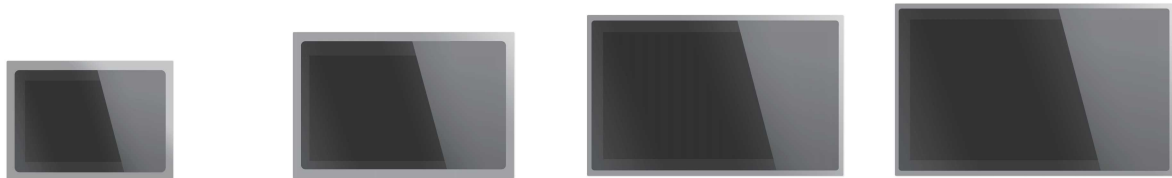
ModelName	WEV-10DS1	WEV-12DS1	WEV-15DS1
Dimension	10.4"	12.1"	15"
Resolution	800×600	1024×768	1024×768
Maximum color	16.7MB	16.7MB	16.7MB
Backlight	LED	LED	LED
Backlight Lifetime	30000hrs	30000hrs	50000hrs
Brightness	350cd / m²	350cd / m²	350cd / m²
Contrast Ratio	500:1	500:1:0	500:1:0
Viewing Angle	(L)70 / (R)70 / (T)50 / (B)60	(L)80 / (R)80 / (T)60 / (B)80	(L)80 / (R)80 / (T)80 / (B)80
Touch Type	Multi-point capacitive		
Surface hardness	Mohs hardness7		
Controller	USB Interface		
Transmittance	>70%		
Operating temp.	-10~50℃	-10~60℃	-10~60℃
storage temp.	-20~60℃	-40~85℃	-40~85℃
Relative humidity	5~65%, Non-condensing		
vibration	1.5 Grms, 50~500Hz, 0.19mm peak value		
Shock	10G / peak(11ms), half-sine		
interface	1× VGA, 1×HDMI, 4×Audio bridge, 1×USB Type-B, 1×USB Type-A, 1×RS232		
power supply	DC 12 / 24V		
Touch type	5-Wire Resistive Touch		
Overall size	279.5×218.5×43mm	329.7×262×53.6mm	370×297.5×58.3mm
Hole Size	265.5×204.5mm	310×242mm	350×280mm
Installation method	Panel / Wall / VESA		



F 工业显示器WEV



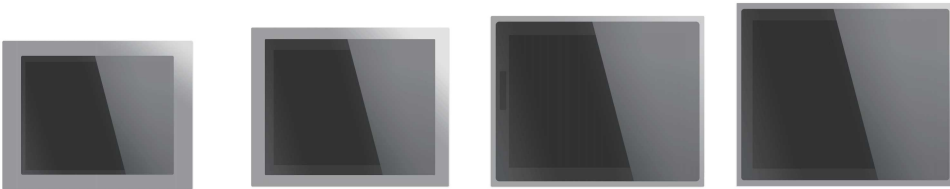
ModelName	WEV-17DS1	WEV-19DS1
Dimension	17"	19"
Resolution	1280×1024	1280×1024
Maximum color	16.7MB	16.7MB
Backlight	LED	LED
Backlight Lifetime	30000hrs	30000hrs
Brightness	350cd / m ²	350cd / m ²
Contrast Ratio	500:1:0	500:1:0
ViewingAngle	(L)80 / (R)80 / (T)80 / (B)80	(L)80 / (R)80 / (T)80 / (B)80
Touch Type	Multi-point capacitive	
Surface hardness	Mohs hardness7	
Controller	USB Interface	
Transmittance	>70%	
Operating temp.	-10~60℃	-10~60℃
storage temp.	-40~85℃	-40~85℃
Relative humidity	5~85%, Non-condensing	
vibration	1.5 Grms, 50~500Hz, 0.19mm peak value	
Shock	10G/peak(11ms), half-sine	
interface	1×VGA, 1×HDMI, 4×Audio bridge, 1×USB Type-B, 1×USB Type-A, 1×RS232	
power supply	DC 12/24V	
Touch type	5-Wire Resistive Touch	
Overall size	414×352.1×56.3mm	448.2×378.8×57.9mm
Hole Size	395×332mm	430×360mm
Installation method	Panel/Wall/VESA	



WEV-10DW1	WEV-15DW2	WEV-18DW1	WEV-21DW1
10.1"	15.6"	18.5"	21.5"
1280×800	1920×1080	1366×768	1920×1080
16.7MB	16.7MB	16.7MB	16.7MB
LED	LED	LED	LED
30000hrs	50000hrs	30000hrs	30000hrs
350cd / m ²	250cd / m ²	250cd / m ²	350cd / m ²
500:1:0	500:1	1000:1	500:1:0
(L)80 / (R)80 / (T)80 / (B)80	(L)85 / (R)85 / (T)80 / (B)80	(L)85 / (R)85 / (T)80 / (B)80	(L)80 / (R)80 / (T)80 / (B)80
Multi-point capacitive			
Mohs hardness7			
USB Interface			
>70%			
-10~60℃	-10~60℃	0~50℃	-10~60℃
-40~85℃	-20~60℃	-20~60℃	-40~85℃
5~85%, Non-condensing			
1.5 Grms, 50~500Hz, 0.19mm peak value			
10G/peak(11ms), half-sine			
1×VGA, 1×HDMI, 4×Audio bridge, 1×USB Type-B, 1×USB Type-A, 1×RS232			
DC 12/24V			
5-Wire Resistive Touch			
278.5×201.1×53mm	403.8×266.9×43mm	470.4×294.6×50mm	547.8×347×56.8mm
262×185mm	389.8×252.9mm	456.4×280.6mm	530×330mm
Panel/Wall/VESA Mounting			



G 工业平板电脑WEP



ModelName	WEP-10DS1	WEP-12DS1	WEP-15DS1	WEP-17DS1
Dimension	10.4inch	12.1inch	15inch	17inch
Processor	800x600	800x600	1024x768	1280x1024
Brightness	350nits	300nits	420nits	250nits
 xxxxF-2440	WEP-10DS1-xxxxF-2440	WEP-12DS1-xxxxF-2440	WEP-15DS1-xxxxF-2440	WEP-17DS1-xxxxF-2440
 xxxxF-2661	WEP-10DS1-xxxxF-2661	WEP-12DS1-xxxxF-2661	WEP-15DS1-xxxxF-2661	WEP-17DS1-xxxxF-2661
 xxxxE-2240	WEP-10DS1-xxxxE-2240	WEP-12DS1-xxxxE-2240	WEP-15DS1-xxxxE-2240	WEP-17DS1-xxxxE-2240
 xxxxE-2661	WEP-10DS1-xxxxE-2661	WEP-12DS1-xxxxE-2661	WEP-15DS1-xxxxE-2661	WEP-17DS1-xxxxE-2661
 MX6U3-1560/ MX6D3-1560/ MX6Q3-1560	WEP-10DS1-MX6U3-1560 WEP-10DS1-MX6D3-1560 WEP-10DS1-MX6Q3-1560	WEP-12DS1-MX6U3-1560 WEP-12DS1-MX6D3-1560 WEP-12DS1-MX6Q3-1560	WEP-15DS1-MX6U3-1560 WEP-15DS1-MX6D3-1560 WEP-15DS1-MX6Q3-1560	WEP-17DS1-MX6U3-1560 WEP-17DS1-MX6D3-1560 WEP-17DS1-MX6Q3-1560
 33993-1560	WEP-10DS1-33993-1560	WEP-12DS1-33993-1560	WEP-15DS1-33993-1560	WEP-17DS1-33993-1560



WEP-19DS1	WEP-10DW2	WEP-15DW2	WEP-18DW1	WEP-21DW1
19inch	10.1inch	15.6inch	18.5inch	21.5inch
1280x1024	1280x800	1920x1080	1366x768	1920x1080
250nits	350nits	250nits	250nits	250nits
WEP-19DS1-xxxxF-2440	WEP-10DW2-xxxxF-2440	WEP-15DW2-xxxxF-2440	WEP-18DW1-xxxxF-2440	WEP-21DW1-xxxxF-2440
WEP-19DS1-xxxxF-2661	WEP-10DW2-xxxxF-2661	WEP-15DW2-xxxxF-2661	WEP-18DW1-xxxxF-2661	WEP-21DW1-xxxxF-2661
WEP-19DS1-xxxxE-2240	WEP-10DW2-xxxxE-2240	WEP-15DW2-xxxxE-2240	WEP-18DW1-xxxxE-2240	WEP-21DW1-xxxxE-2240
WEP-19DS1-xxxxE-2661	WEP-10DW2-xxxxE-2661	WEP-15DW2-xxxxE-2661	WEP-18DW1-xxxxE-2661	WEP-21DW1-xxxxE-2661
WEP-19DS1-MX6U3-1560 WEP-19DS1-MX6D3-1560 WEP-19DS1-MX6Q3-1560	WEP-10DW2-MX6U3-1560 WEP-10DW2-MX6D3-1560 WEP-10DW2-MX6Q3-1560	WEP-15DW2-MX6U3-1560 WEP-15DW2-MX6D3-1560 WEP-15DW2-MX6Q3-1560	WEP-18DW1-MX6U3-1560 WEP-18DW1-MX6D3-1560 WEP-18DW1-MX6Q3-1560	WEP-21DW1-MX6U3-1560 WEP-21DW1-MX6D3-1560 WEP-21DW1-MX6Q3-1560
WEP-19DS1-33993-1560	WEP-10DW2-33993-1560	WEP-15DW2-33993-1560	WEP-18DW1-33993-1560	WEP-21DW1-33993-1560

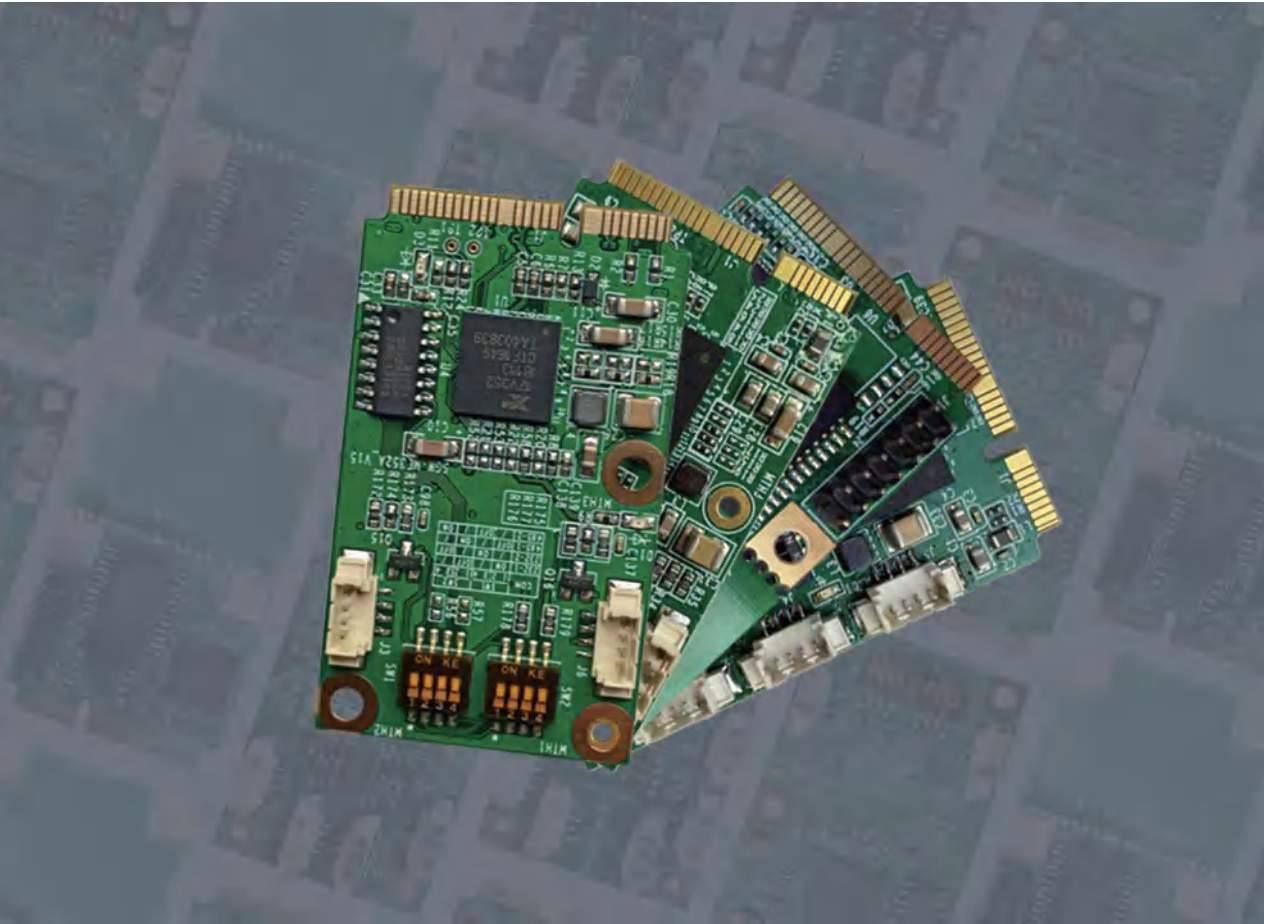


G 工业平板电脑WEP主机参数

ModelName	WEP-xxxxx-xxxxF-2440	WEP-xxxxx-xxxxF-2661	WEP-xxxxx-xxxxE-2240
Picture			
Processor	J1900/3855U/i3-6100U/i5-6200U/i7-6500U		RK3288/RK3399/RK3399 Pro /RK3368/Hi3559/A40I
Memory	1×DDR3L 1333MHz SO-DIMM, up to 8GB 1×DDR4 2133MHz SO-DIMM, up to 16GB		512MB+DDR3 or LPDDR4
Storage	1xSATA+1xmSATA		4G+ EMMC
Video	HDMI	HDMI+VGA	HDMI
I/O	1×USB3.0+3×USB2.0, 1×RS232+1×RS232/RS485	1×USB3.0+5xUSB2.0, 5×RS232+ 1×RS232/RS485, 2×DI+2xDO	1×USB OTG, 1×USB2.0/USB3.0+ 3×USB2.0, 1×RS232+ 1×RS232/RS485
Ethernet	2×RJ45 (Intel I211AT) Ethernet 10/100/1000Mbps		2×RJ45
Audio	/		/
Expansion	1×mini PCIe		1×mini PCIe
Operation Temp	SSD:-10°C~60°C, HDD:0°C~40°C		0°C~60°C
Storage Temp	-40°C~85°C		-40°C~85°C
Relative Humidity	5~95%, Non-condensing		5~95%, Non-condensing
Power	12/24VDC		12/24VDC
OS	Win7/Win8/Win10/Linux/Unix		Linux/Ubuntu/Android/Debian
Mounting	Wall/Panel/VESA		Wall/Panel/VESA

WEP-xxxxx-xxxxE-2661	WEP-xxxxx-MX6U3/MX6D3/MX6Q3-1560	WEP-xxxxx-33993-1560
		
RK3288/RK3399/RK3399 Pro /RK3368/Hi3559/A40I	NXPI.MX6U/6D/6Q	Rockchip RK3399
512MB+DDR3 or LPDDR4	512MB/1GB/2GDDR3	2GB/4GB LPDDR4
4GB+ EMMC	4GB+ EMMC, TF Slot	4GB+ EMMC, TF Slot
HDMI+VGA	HDMI+LVDS	HDMI+LVDS+EDP+2xMIPI
1×USBOTG, 1×USB2.0/ USB3.0+5×USB2.0, 5×RS232+1×RS232/ RS485, 2×DI+2xDO	1×Micro USB OTG, 4×USB2.0+2×USB2.0 Header, 4×RS232+1×RS232/RS485, 2×CAN, 4×Key, I2C CTP, LCD Backlight PWM and ONOFF	1×TypeC, 1×USB3.0, 3×USB2.0+ 2×USB2.0Header, 4×RS232+1×RS232/RS485, 2×Key+4ADCKey, 2×I2C CTP, LCD Backlight PWM and ONOFF
2×RJ45	1×RJ45 (ATHEROS AR8035) Ethernet10/100/1000Mbps	1×RJ45 (REALTEK RTL8152B) Ethernet10/100Mbps
/	1×Line-out, 1×Mic-in, 2×2w/8Ω	2×Line-out, 1×Mic-in
1×mini PCIe	1×mini PCIe (for WIFI/4G), Onboard AP6181 SDIO 802.11b/g2.4G WIFI	1×mini PCIe (for WIFI/4G), Onboard AP6181 SDIO 802.11b/g2.4G WIFI
0°C~60°C	-20°C~70°C	0°C~60°C
-40°C~85°C	-40°C~85°C	-40°C~85°C
5~95%, Non-condensing	5~95%, Non-condensing	5~95%,Non-condensing
12/24VDC	9-28VDC	9-28VDC
Linux/Ubuntu/ Android/Debian	Linux/Ubuntu/Wince7/ Android/Yocto/QNX	Linux/Ubuntu/ Android/Debian
Wall/Panel/VESA	Wall/Panel/VESA	Wall/Panel/VESA



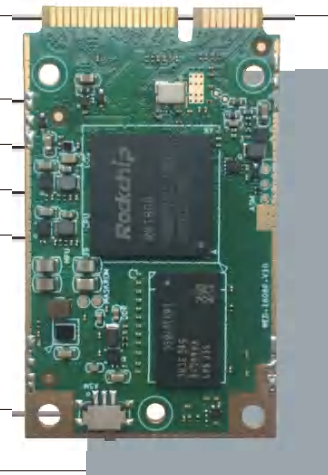


产品简介

mPCIe扩展卡能够满足各种工业系统,允许系统集成商在嵌入式系统中扩展和转换各种接口。
mPCIe扩展卡可以工作在-40°C~85°C的环境,驱动支持各种操作系统,以适应不同的工业平台,用户可以扩展更多丰富接口以满足物联网中的各种生态环境。

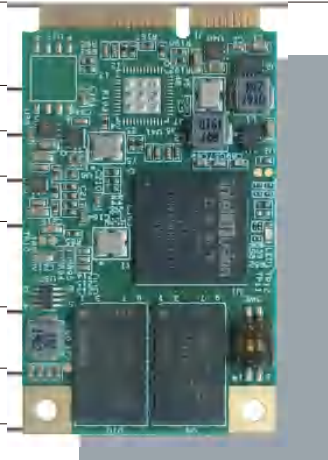
WED-1808P

Alias	/
主控芯片	Rockchip RK1808
处理器	双核Cortex-A35, 最高频率1.6GHz
内存	标配2GB DDR4
存储器	标配8GB eMMC
接口	mini PCIe
功能	1080P@60FPSH.264解码器, 1080P@30FPSH.264编码器; 视频输入:MIPI-CSI/BT.656/BT.1120; 视频输出:1080P MIPI-DSI/RGB。
AI性能	3.0TOPs (INT8)
操作系统	Linux
尺寸	50mm×30mm



WEI-AIDE2T-0208

Alias	/
主控芯片	Intellifusion DeepEye1000
处理器	平头哥玄铁处理器C810+四核神经网络处理器NNP+双核Vision DSP
内存	标配2GB DDR4
存储器	标配8GB eMMC
接口	mini PCIe
功能	4路1080P@25fps视频接入分析; 4路高清视频结构化分析。
AI性能	2.0TOPs (INT8)
操作系统	Linux
尺寸	50mm×30mm



WEI-MLU220

Alias	/
主控芯片	寒武纪思元MLU 220
处理器	寒武纪MLU v02, 4核ARM Cortex-A55
内存	4GB LPDDR4X
存储器	16GB eMMC
接口	M.2 B+M key PCIe GEN3 X2
功耗	8.25W
编解码能力	H.264, HEVC(H.265), VP8, VP9
AI性能	8TOPs (INT8)
操作系统	CentOS7.4 & 7.6, Ubuntu16.04 & 18.04
尺寸	80mm×22mm×7.2mm (不带散热片), 80mm×22mm×21.3mm (带散热片)



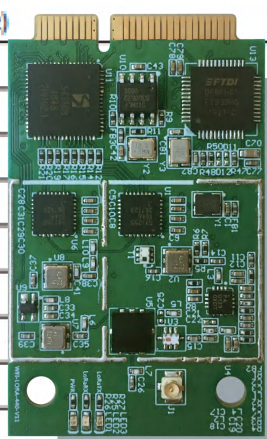
WEI-LORA-810

插槽规格 Slot specification	mPCIe
输入端口 Input port	PCI Express2.0 x1
工作频率 working frequency	CN470 (上行:470.3` 473.3MHZ, 下行:483.9` 486.9MHZ)
通信速率 Communication rate	292bps` 5.4kbps (@125kHz) SF7` SF12
接收灵敏度 Receivingsensitivity	≤ -142dBm@SF12.125kHz BW
发射功率 Transmitpower	17dBm (天线口23dBm Max)
业务信道 Traffic channel	8ch上行, 1ch下行工作模式全双工, 异频
网关授时 Gateway timing	GPS或者LoRa时间同步
数据回传 Datareturn	有线以太网/WiFi
功耗 Power consumption	≤5W
尺寸 (W*L*H) size	30×50.9mm
温度范围 temperature range	工作温度:0` 70℃ 存储温度: -55℃` +95℃



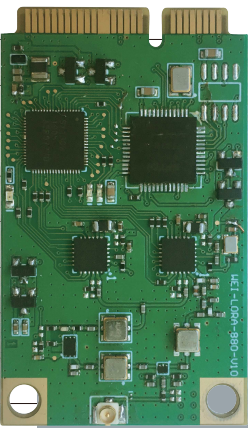
WEI-LORA-440

插槽规格 Slot specification	MINI PCIe
工作频率	CN470(上行: 470.0~473.3MHz, 下行: 483.9~486.9MHz)
通信速率	292bps~5.4kbps(@125kHz) SF7~SF12
接收灵敏度	≤ -138.5dBm@SF12.125kHz BW
发射功率	20dBm(天线口23dBm Max)
业务信道	8ch上行, 1ch下行工作模式全双工, 异频
网关授时	LORA时间同步
数据回传	USB
功耗 Power consumption	≤ 3W
尺寸 (W*L*H) size	30×50.9mm
温度范围temperature range	工作温度: 0~60℃ 存储温度: -55~95℃



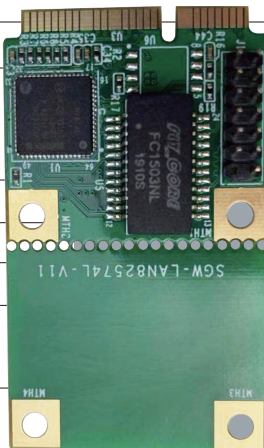
WEI-LORA-880

插槽规格 Slot specification	MINI PCIe
工作频率	CN470(上行: 470.0~473.3MHz, 下行: 483.9~486.9MHz)
通信速率	292bps~5.4kbps(@125kHz) SF7~SF12
接收灵敏度	≤ -137.5dBm@SF12.125kHz BW
发射功率	20dBm(天线口23dBm Max)
业务信道	16ch上行, 1ch下行工作模式半双工, 异频
网关授时	LORA时间同步
数据回传	USB
功耗 Power consumption	≤ 3W
尺寸 (W*L*H) size	30×50.9mm
温度范围temperature range	工作温度: 0~60℃ 存储温度: -55~95℃



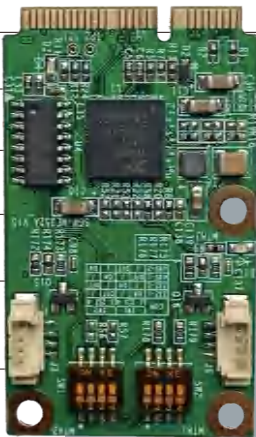
WEI-LAN82574L

插槽规格 Slot specification	Mini PCIe
网络通道数Network channel number	1
端口速率Port rate	10/100/1000Mbps
支持标准Standard Support	IEEE802.3; IEEE802.3ad; IEEE802.1p; IEEE802.1QVLANs; IEEE802.3ab1000BASE-TGigabit Ethernet
控制器Controller	Intel 82574L
功耗Power consumption	≤ 1.5W
尺寸(W*L*H) size	30×50.9×9.0mm
温度范围temperature range	工作温度:0℃~70℃ 存储温度:-55℃~95℃
环境参数 Environmental parameters	振动:5G@7~2000Hz 冲击:50G@0.5ms
驱动支持Driver support	Windows:XP(32bit),7(32/64bit),10(32/64bit) Linux:Kernel2.6.x或以上



WEI-ME352A

插槽规格 Slot specification	mPCIe
输入端口Input port	PCI Express2.0 x1
输出端口Output port	RS-232/485
输出连接器Output connector	DB-9 x2
功耗Power consumption	0.33W
尺寸(W*L*H) size	30×50.9×8.25mm
温度范围temperature range	工作温度:W/T:-40℃~+85℃ 存储温度:-55℃~+95℃
环境参数 Environmental parameters	振动:5G@7~2000Hz 冲击:50G@0.5ms
驱动支持	Windows:XP(32bit), 7(32/64bit), 10(32/64bit) Linux:Kernel2.6.x或以上



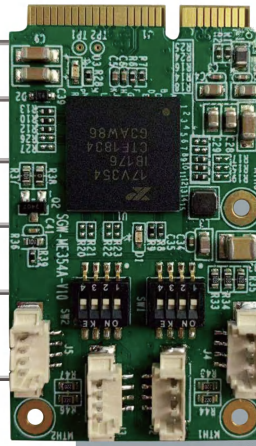
WEI-LAN82574L-DB

插槽规格 Slot specification	Mini PCIe
网络通道数Network channel number	2
端口速率Port rate	10/100/1000Mbps
支持标准Standard Support	IEEE802.3;IEEE802.3ad; IEEE802.1p;IEEE802.1QVLANs; IEEE802.3ab1000BASE-TGigabit Ethernet
控制器Controller	Intel 82574L
功耗Power consumption	≤ 3W
尺寸(W*L*H) size	30×50.9×9.0mm
温度范围temperature range	工作温度:0℃~70℃ 存储温度:-55℃~95℃
环境参数 Environmental parameters	振动:5G@7~2000Hz 冲击:50G@0.5ms
驱动支持Driver support	Windows:XP(32bit), 7(32/64bit), 10(32/64bit) Linux:Kernel2.6.x或以上



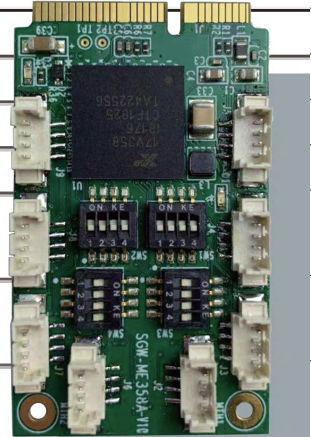
WEI-ME354A

插槽规格 Slot specification	mPCIe
输入端口Input port	PCI Express2.0 x1
输出端口Output port	RS-232/485/422
输出连接器Output connector	DB-9 x4
功耗Power consumption	0.33W
尺寸(W*L*H) size	30×50.9×8.25mm
温度范围temperature range	工作温度:W/T:-40℃~+85℃ 存储温度:-55℃~+95℃
环境参数 Environmental parameters	振动:5G@7~2000Hz 冲击:50G@0.5ms
驱动支持	Windows:XP(32bit), 7(32/64bit), 10(32/64bit) Linux:Kernel2.6.x或以上



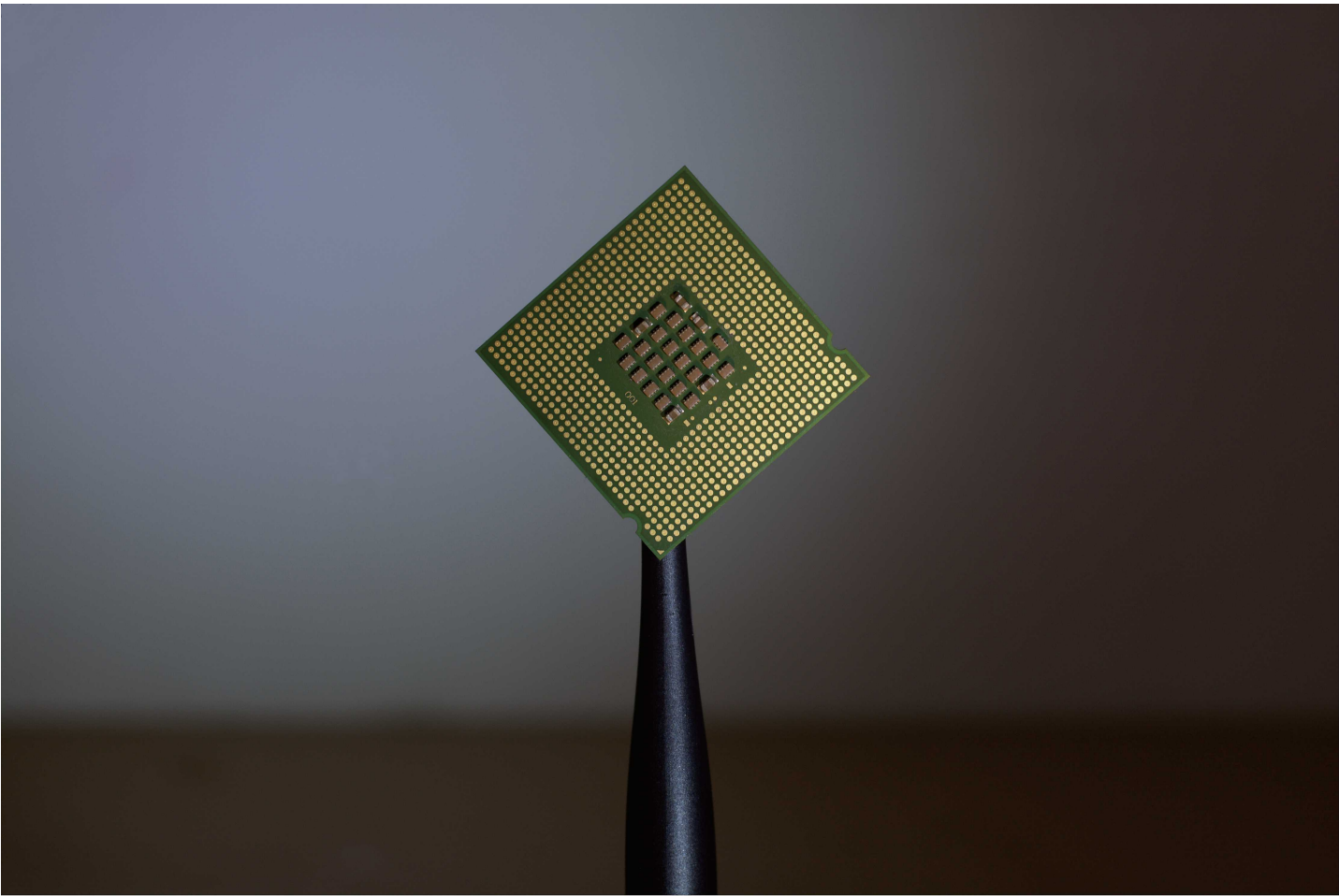
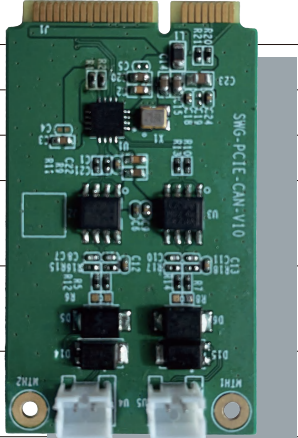
WEI-ME358A

插槽规格 Slot specification	mPCIe
输入端口 Input port	PCI Express2.0 x1
输出端口 Output port	RS-232/485/422
输出连接器 Output connector	DB-9 x8
功耗 Power consumption	0.33W
尺寸(W*L*H) size	30×50.9×8.25mm
温度范围 temperature range	工作温度:W/T:-40℃~+85℃ 存储温度:-55℃~+95℃
环境参数 Environmental parameters	振动:5G@7~2000Hz 冲击:50G@0.5ms
驱动支持 Driver support	Windows:XP(32bit), 7(32/64bit), 10(32/64bit) Linux:Kernel2.6.x或以上



SWG-PCIE-CAN

插槽规格 Slot specification	mPcie
输入端口 Input port	PCI Express2.0 x1
输出端口 Output port	2路CAN, CAN通信速率最高可达1Mbps
输出连接器 Output connector	/
功耗 Power consumption	0.5W
尺寸(W*L*H) size	51mm×30mm
温度范围 temperature range	工作温度:0℃~60℃\ -40℃~85℃, 5%~95% (无凝结状态) 存储温度: -40℃~85℃, 5%~95% (无凝结状态)
环境参数 Environmental parameters	振动:5G@7~2000H 冲击:50G@0.5ms
驱动支持	Windows:XP(32bit) , 7 (32\64bit) , 10 (32\64bit) Linux: kernel2.6.x或以上



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