Armadillo-X1

Hardware specifications

Model number	AX1121-D10Z AX1110-D10Z AX1100-D10Z	AX1121-U11Z AX1110-U11Z AX1100-U11Z	AX1121-U00Z AX1110-U00Z AX1100-U00Z
Product name	Armadillo-X1 Development Kit (ax with WLAN Combo)	Armadillo-X1 mass-production board (ax with WLAN combo)	Armadillo-X1 mass-production board (without WLAN combo)
CPU	NXP Semiconductors i.MX 7 Dual Arm Cortex-A7 (996MHz) Dual Core		
RAM	Products with model numbers starting with AX1121-: 2GB (DDR3L-1066) Products with model numbers starting with AX1110-: 1GB (DDR3L-1066) Products with model numbers starting with AX1100-: 512MB (DDR3L-1066)		
ROM	Products with model numbers starting with AX1121-: 7.8GB (eMMC)[※1] Products with model numbers starting with AX1110-/AX1100-: 3.8GB (eMMC)[※1]		
LAN	RJ45 x 1 (1000BASE-T/100BASE-TX/10BASE-T, AUTO-MDIX compatible)		
Wireless LAN module	WLAN + BT Combo Module IEEE 802.11 a/b/g/n/ac/ax		Not included
serial	3.3V CMOS x 1		
USB	USB 2.0 (Host) x 1 (High Speed)		
Calendar Clock	Equipped with RTC[※2](Backup function supported)		
switch	User switch x 1		
LED	User LED x 1		
JTAG	8-pin, 2.54mm pitch (dedicated JTAG conversion cable sold separately)[※3]		
Input power	DC 5V ± 5%		
Power consumption (reference value)	Approximately 2.6W (standby), approximately 4.3W (LAN, WLAN communication)		Approximately 1.6W (both in standby and during LAN communication)
Operating temperature range	-20 to +70°C[※4]		
Add-on module	Can carry 1 piece[※5]		
Expansion Interface [※6]	LCD I/F (Parallel 24-bit or MIPI-DSI), Camera I/F (Parallel 24-bit or MIPI-CSI2), Ethernet (GbE), CAN, SD/MMC, Audio, UART, GPIO, USB, SPI, I²C, PWM		
Secure element	Equipped with SE050		
External dimensions	100.0 × 64.0 mm[※7]		

[※1] Operates in pSLC mode.
[※2] Can be used when a backup battery (sold separately) is connected.
[※3] No connector is provided.
[※4] However, condensation is not allowed.
[※5] An SD slot expansion board is included in the development kit.
[※6] Each function can be used exclusively via pin multi-configuration.
[※7] Dimensions exclude protrusions.

For other products, please see the link below.

▶ Development kits and mass production boards (AX1121-D00Z, AX1110-D00Z, AX1100-D00Z, AX1121-U01Z, AX1110-U01Z, AX1100-U01Z)

For product inquiries or mass production consultations, please contact us via the web form.

inquiry

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