Armadillo-640

Hardware specifications

Model number	A6400-D00Z	A6400-U00Z
Product name	Armadillo-640 Basic Model Development Kit	Armadillo-640 mass production board (with leaded components mounted)
CPU	NXP Semiconductors i.MX 6ULL Arm Cortex-A7 (528MHz)	
RAM	512MB (DDR3L-800)	
ROM	3.8GB (eMMC)[※1]	
LAN	RJ45 x 1 (100BASE-TX/10BASE-T, AUTO-MDIX compatible)	
Wireless LAN module	Expandable[※2] IEEE 802.11 b/g/n	
serial	RS232C×1, 3.3V CMOS×2 (max. 6)	
GPIO	Maximum 61bit	
USB	USB 2.0 (Host) x 2 (High Speed)	
SD/MMC	microSD slot x 1[※3]	
Calendar Clock	SoC-integrated RTC usable, I²C expandable[※4]	
audio	I²S expandable, S/PDIF expandable, etc.	
video	LCD expandable (maximum WXGA 1366×768/18bpp)	
switch	User switch x 1	
LED	User LED ×3	
JTAG	Expandable (connector not yet implemented)	
Input power	DC 5V ± 5%	
Power consumption (reference value)	Approximately 650mW (standby [LAN not connected]), approximately 950mW (standby [LAN connected])[※5], Approx. 1,100mW (when communicating via LAN)[※5]	
Operating temperature range	-20 to +70°C[※6] [※7]	
Expansion Interface[※8]	USB, SD, UART, GPIO, I²C, SPI, I²S, LCD, Touch Panel[※9]CAN, PWM, S/PDIF, etc.	
Secure element	Equipped with SE050	
External dimensions	75.0 x 50.0 mm[※10]	

[※1] Operates in pSLC mode.
[※2] Expandable with WLAN option module.
[※3] Bootable.
[※4] Expandable with RTC option module.
[※5] Power consumption with cables connected to LAN and serial connectors. Does not include power consumption of externally connected devices.
[※6] When combined with the Armadillo-600 series option case set (plastic), the operating temperature range is -20℃ to +50℃.
[※7] However, condensation is not permitted.
[※8] Each function can be used exclusively via pin multi.
[※9] Expandable with 4-wire analog.
[※10] Dimensions excluding protrusions.

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

inquiry

The product names and company names mentioned on this website are trademarks or registered trademarks of their respective companies or organizations. ™ and ® marks may not be included.

Copyright© Atmark Techno, Inc.

Downloaded from Arrow.com.