



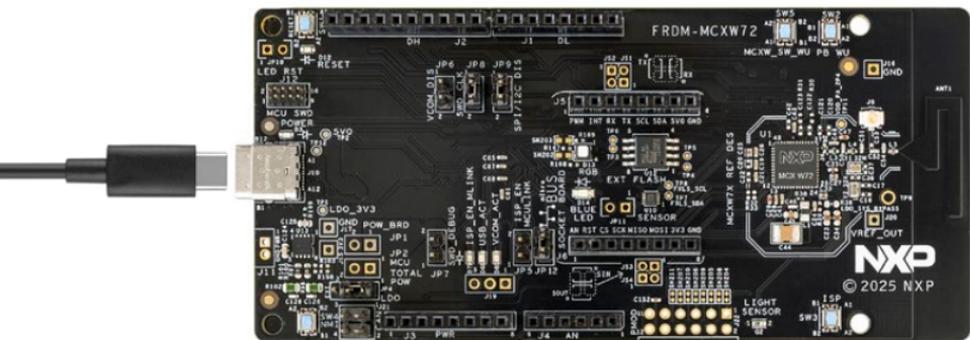
FRDM MCX W72 development platform



Getting started

Setup

1. Connect the FRDM-MCXW72 board to a PC using the USB Type-C cable. When the board is powered up, the RGB LED starts with a white color.
2. The board comes preprogrammed with a wireless demo. Using a smartphone, install and open the NXP IoT ToolBox app. Open the “Wireless UART” and the FRDM-MCXW72 Wireless UART “NXP_WU” will be displayed.
3. For further guidance, please refer to the Getting Started web page at nxp.com/FRDM-MCXW72.



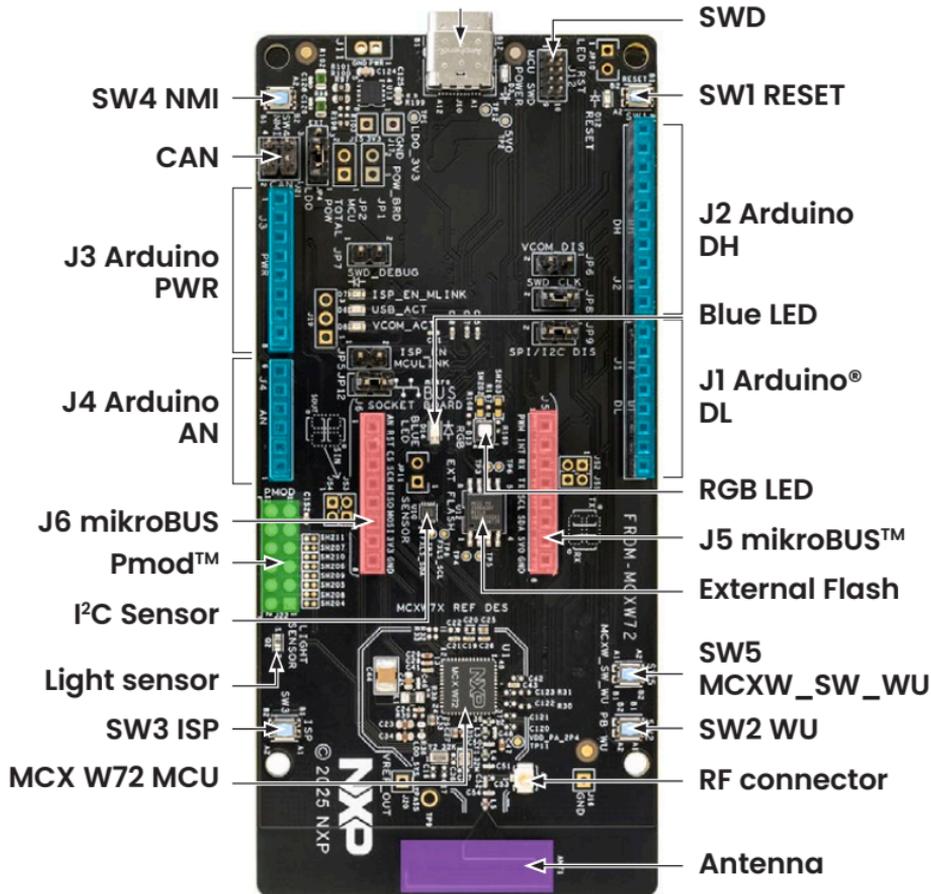
Software and expansion boards

4. Access software and tools through nxp.com/MCUXpresso.

- Expansion Board Hub mcuxpresso.nxp.com/eb-hub to find add-on boards from NXP and our partners with related MCUXpresso SDK-compatible drivers and examples.
- Application Code Hub mcuxpresso.nxp.com/appcodehub to browse application code examples from our experts to help kick start your project.

5. Explore our entire FRDM platform of MCUs and MPUs at nxp.com/FRDM.

USB-C power/debugger/virtual serial port



Get to know the FRDM-MCXW72 development board

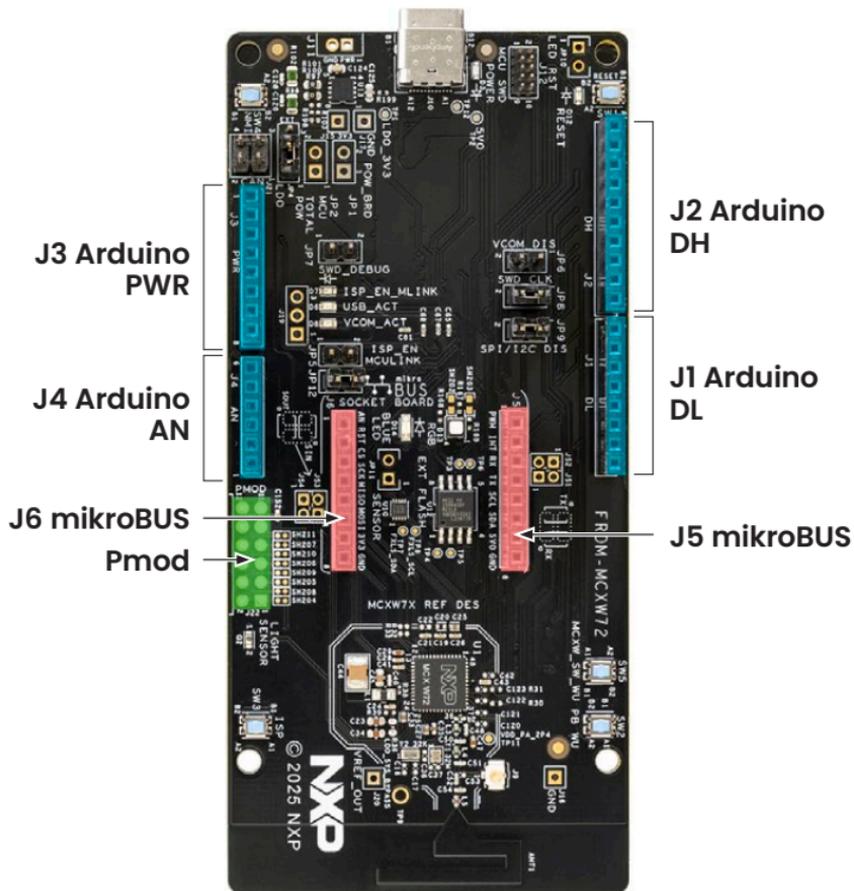
NXP's FRDM Development Platform provides you with cost-effective MCU development boards.

Easy I/O access supports expansion board use for fast prototyping and rapid evaluation.

MCULink debugger (LPC55S69) is on the bottom side of the board.

Enjoy your FRDM-MCXW72.

- Arduino header
- Pmod
- Antenna
- mikroBUS header



J1 Arduino header

J1 Arduino	TPM/RGB_R	PTA21	8
	TPM/RGB_B	PTA20	7
	LPSPI_PCS3	PTC1	6
	TPM/RGB_G	PTA19	5
	CAN0_RX	PTC5	4
	CAN0_TX	PTC4	3
	UART0_TX	PTA17	2
	UART0_RX	PTA16	1

J2 Arduino header

J2 Arduino	I2C1_SCL	PTB5	1
	I2C1_SDA	PTB4	2
	VREF_OUT	VREF	3
	GND	GND	4
	LPSPI_SCK	PTB2	5
	LPSPI_SIN	PTB1	6
	LPSPI_SOUT	PTB3	7
	LPSPI_PCS0	PTB0	8
	TPM0_CH3	PTA18	9
	LPSPI_PCS2	PTC0	10

J3 Arduino header

J3 Arduino	NC	NC	1
	3V3	VBOARD	2
	RESET	RST	3
	3V3	VBOARD	4
	5V0	P5V	5
	GND	GND	6
	GND	GND	7
	VIN	PI2V-9V	8

J4 Arduino header

J4 Arduino	A0	PTD1	6
	A1	PTD2	5
	A2	PTD3	4
	A3	PTA4	3
	A4	PTC3	2
	A5	PTC2	1

Pmod

Pmod	VCC	3V3_LDO	12	11	3V3_LDO	VCC
	GND	GND	10	9	GND	GND
	SDA	PTB4	8	7	PTB2	SCK
	SCL	PTB5	6	5	PTB1	SDI
	RESET	PTD1	4	3	PTB3	SDO
	INT	PTC0	2	1	PTC6	CS

J5 mikroBUS

		J6		J5		
mikroBUS	AN	PTD2	1	1	PTC4	PWM
	RST	RST	2	2	PTD1	INT
	CS	PTB0	3	3	PTA16	RX
	SCK	PTB2	4	4	PTA17	TX
	SDI	PTB1	5	5	PTB5	SCL
	SDO	PTB3	6	6	PTB4	SDA
	3V3	VBOARD	7	7	P5V	5V0
	GND	GND	8	8	GND	GND



Get started

Download installation software and documentation under “Jump Start Your Design” at nxp.com/FRDM-MCXW72



iOS App
Store
IoT Toolbox



Google Play
Store
IoT Toolbox

Support

Visit nxp.com/support for a list of phone numbers within your region.

Warranty

Visit nxp.com/warranty for complete warranty information.

Home page

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