WINDOWS IOT AND NXP

Cutting edge software and hardware for all industries

Enabling a new class of devices built on the powerful combination of Windows IoT Enterprise on NXP i.MX 8 SoCs. Cutting edge hardware and software features span industries and empower you to customize the platform to build your next generation device. Explore the offerings to find the perfect fit for your solution.

		93	8M Nano	8M Mini	8M	8M Plus	8X
Hardware	CPU	2 A55	4 A53	4 A53	4 A53	4 A53	4 A35
	GPU	✔	✔	✔ *	✔	✔	✔
	NPU*	✔				✔	
	VPU		✔	✔	✔	✔	✔
	Display	✔	✔	✔	✔	✔	✔
	LVDS	✔				✔	✔
	MIPI-DSI	✔	✔	✔	✔	✔	✔
	HDMI				✔	✔	
	Parallel	✔					✔
	Ethernet	✔	✔	✔	✔	✔	✔
	NXP Longevity Program	✔	✔	✔	✔	✔	✔
Windows 10 IoT	10 years of support of latest release		✔	✔	✔	✔	✔
	OS Size Reduction features		✔	✔	✔	✔	✔
	Win32 PC Apps		✔	✔	✔	✔	✔
	Intune/Microsoft Endpoint Manager		✔	✔	✔	✔	✔
	X86 App Emulation		✔	✔	✔	✔	✔
	Unified Write Filter and HORM		✔	✔	✔	✔	✔
Windows 11 IoT	10 years of support of latest release	✔					
	OS Size Reduction features	✔					
	AKS-EE	✔					
	Hyper-V	✔					
	Win32 PC Apps	✔					
	Intune/Microsoft Endpoint Manager	✔					
	X86 App Emulation	✔					
	X64 App Emulation	✔					
	Unified Write Filter and HORM	✔					
Security	Trusted Boot Firmware Protection	✔					
	Windows Defender Application Control	✔	✔	✔	✔	✔	✔
	EdgeLock Secure Enclave	✔	✔	✔	✔	✔	✔
Implementation	Example use cases	Industrial HMI, Smart Home Lock, Gateway	Industrial gateway	Point of Sale terminal, gateway	Digital signage, Audio and video processing	Industrial HMI, Inventory Management	Service-oriented gateway

*Not supported in software.