

Customer Requirements Collection Form

Project No.(internal):

Company Name		Country	
Project Content		Quantity/ Time Range	
Contact Email		Application Fields	
PCBA Formfactor	Single Board Computer Core Board + Carrier Board		
CPU	Supply Period Requirement	(NXP is recommended if you require long supply period over 10 years)	
	NXP	i.MX 6UltraLite	Cortex-A7 up to 696 MHz 16 bit LPDDR2, DDR3/DDR3L
		i.MX 6ULL	Cortex-A7 up to 900 MHz 16 bit LP-DDR2, DDR3/DDR3L
		i.MX 6DualLite	Dual-core Cortex-A9 up to 1GHz 2x32bit LPDDR2, 1x64bit DDR3 / LPDDR3
		i.MX 6Dual	Dual-core Cortex-A9 up to 1.2GHz 2x32bit LPDDR2, 1x64bit DDR3 / LPDDR3
		i.MX 6Quad	Quad-core Cortex-A9 up to 1.2GHz 2x32bit LPDDR2, 1x64bit DDR3 / LPDDR3
		i.MX 8M Mini	4x Cortex-A53 core platforms up to 1.8GHz per core 1x Cortex-M4 core up to 400MHz 3D GPU (1x shader, OpenGL® ES 2.0), 2D GPU Linux, Android, Windows 10 IoT Core, FreeRTOS
		i.MX 8M Plus	4x or 2x Cortex-A53 up to 1.8GHz NPU up to 2.3TOPS 32-bit DDR4 & LPDDR4 up to 4.0GT/s 16 GFLOPS (high-precision) OpenGL® ES 3.1/3.0, Vulkan®, Open CL™ 1.2 FP, OpenVG™ 1.1

		i.MX 8M Nano	4x Cortex-A53 core platforms up to 1.5GHz per core 1x Cortex-M7 core up to 750MHz 3D GPU Linux, Android, FreeRTOS			
	Rockchip	RK3566	Quad-core Cortex-A55 up to 1.8GHz LPDDR4/ LPDDR4X/DDR4/DDR3/DDR3L/LPDDR3 Mali-G52 GPU			
		RK3568	Quad-core Cortex-A55 up to 2.0GHz Mali-G52 GPU LPDDR4/LPDDR4X/DDR4/DDR3/DDR3L/LPDDR3, ECC			
		RK3399	Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz Dual-channel DDR3/DDR3L/LPDDR3/LPDDR4 Mali-T864 GPU			
		RK3399Pro	Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz Dual-channel DDR3/DDR3L/LPDDR3/LPDDR4 Mali-T860MP4 GPU			
Memory/ RAM	128MB 6GB	256MB 8GB	512MB Others: _____	1GB	2GB	4GB
Storage/ROM		Type: NandFlash eMMC TF Card				
		Storage: 256MB 512MB 1GB 2GB 4GB 8GB 16GB 32GB 64GB Others: _____				
Working Temperature		Commercial grade: 0°C~70°C Industrial grade: -20°C~70°C Industrial grade: -40°C~85°C Vehicle grade: -40°C~125°C				
Storage Temperature		_____				

Network	10M/100M 100M/1000M Dual LAN 100M Dual LAN 1000M Others: _____			
Operation System	Android: Android 7.1 Android 9.0 Android 11 Android 12 Others: _____ Linux: Ubuntu Debian Yocto FreeRTOS Others: _____ Windows: Win 10 IoT Base(only supports i.MX 8M Plus/i.MX 8M Mini)			
Display Port	RGB LVDS HDMI MIPI eDP None Others: _____			
USB	USB 2.0 USB 3.0 Mini-USB Micro USB Type-C			
Audio	MIC Voice Recognition Earphone None Others: _____			
	Speaker	1W 2W 5W 8W None Others: _____		
Camera	Quantity	Front camera Rear camera		
	Type	Monocular camera Binocular camera		

	Pixel	1.3M	2M	3M
		5M	8M	13M
		Others: _____		
Functional Module	WIFI 2.4G		WIFI 5G	WIFI 6
	BT Module		NFC Module	QR Code Module
	LoRa Gateway		LoRa Hotspot	GPS & Beidou
	Analog Signal Acquisition ADC			
	Others _____			
	4G Module	Country: _____ ISP: _____		
Serial Port	UART _____	Need isolation		
	RS232 _____	Need isolation		
	RS485 _____	Need isolation		
	RS422 _____	Need isolation	Others: _____	
Display Screen and Touch Panel	Screen Size:			
	5 inch	7 inch	8 inch	
	10.1 inch	15 inch	18.5 inch	
	21.5 inch	No Screen		
	Other size: _____			
	Resolution			
	800*600	1280*720	1280*800	
1920*1080	Others: _____			
	Screen Grade:			
	Commercial grade		Industrial grade	

www.polyhex.net info@polyhex.net

Certification	<table><tr><td>3C</td><td>CE</td><td>RoHS</td><td>UKCA</td></tr><tr><td>FCC</td><td>UL</td><td>KC</td><td>TELEC</td></tr><tr><td>RCM</td><td colspan="3">Others: _____</td></tr></table>	3C	CE	RoHS	UKCA	FCC	UL	KC	TELEC	RCM	Others: _____		
3C	CE	RoHS	UKCA										
FCC	UL	KC	TELEC										
RCM	Others: _____												
Other Requirements													