

PICO-PI-IMX7

PICO-PI-IMX7 is the Starting Kit for Android Things



General Info

HTSN	8473.30.1180
ECCN	EAR99
REACH RoHS	YES

Specification

Core System

Processor	NXP i.MX7 Dual
Processor Speed	1 Ghz
Architecture	ARM Cortex-A7 + M4
PMIC	NXP PF3000
Memory	512MB DDR3L
Storage	eMMC (4GB Default)
Board-to-Board Connector	Edison compatible connector PICO 70-pin Hirose connectors
Debug Interface	Micro USB debug

Connectivity

Network LAN	1x Atheros AR8035 Gigabit LAN
WiFi	1x Broadcom BCM4339 802.11 a/b/g/n/ac
Bluetooth	1x Broadcom BCM4339 BT 4.1 (BR+EDR+BLE)

Antenna	u.FL connector
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Internal Headers

Internal Display	1x 24-bit TTL RGB signals (expansion header) MIPI DSI signals on 33-pin FPC connector
Expansion Headers	GPIO I ² C I ² S PWM SPI UART
MikroBUS	ADC, GPIO, I ² C, PWM, SPI, UART

External Connectors

Audio Connectors	CTIA compliant 3.5mm audio jack
Network	1x RJ45
USB	1x USB 2.0 Host 1x USB 2.0 OTG (C-Type)
Buttons	1x Reset

Video

Graphic Engine	SoC Integrated Image re-sizing / rotation / overlay and CSC Pixel Processing Pipeline
Camera	MIPI CSI (2 lanes)

Audio

Audio Codec	NXP SGTL5000
Audio Interface	I ² S (2 channel)

Power Specifications

Power Consumption	Depending on Configuration
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Operation Systems

Standard Support	Android Things
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Environmental and Mechanical

Dimensions	TBD
Weight	TBD