Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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 compatibile 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

Internal Headers

Internal Display	1x 24-bit TTL RGB signals (expansion header) MIPI DSI signals on 33-pin FPC connector
Expansion Headers	GPIO I²C I²S PWM SPI UART
MikroBUS	ADC, GPIO, I²C, 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	I²S (2 channel)

Power Specifications

Power Consumption	Depending on Configuration

Operation Systems

Standard Support	Android Things

Environmental and Mechanical

Dimensions	TBD
Weight	TBD