

APIX-RKC0-3288

Rockchip RK3288 ARM Cortex™- A17 PICO- ITX Board with HDMI/LVDS(eDP), 2 COM, 3 USB 2.0, LAN.



Key Features

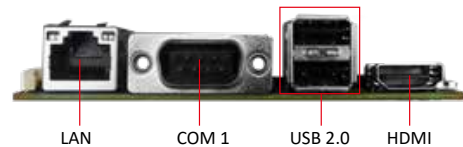
- Rockchip RK3288 ARM Cortex™-A17 Quad-core 1.6GHz onboard
- DDR3L 2GB RAM onboard
- Dual Display: HDMI/LVDS(eDP)
- One Gigabit Ethernet port
- Mini-PCIe (for 3G/4G module) expansion slot
- 3 USB2.0, 2 COM , 1 USB OTG
- Supports 4K2K Resolution Display
- Support Android 6.0
- DC-in 12V

Product Specification

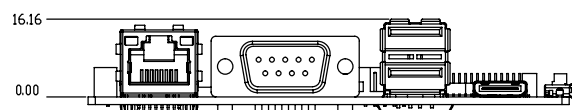
System Processor/Chipset	
Processor	Rockchip RK3288 (ARM Cortex™-A17 Quad-core 1.6GHz)
Chipset	-
BIOS	-
OS	Android 6.0
Memory	
Technology	DDR3L 2GB RAM onboard
Max. capacity	Up to 4GB (by MOQ)
Socket	N/A
Display	
Graphics	Rockchip RK3288
Display interface	HDMI, LVDS (Dual channel 18/24-bit), eDP
Dual display	HDMI + eDP HDMI + LVDS
Resolution	HDMI(2.0) up to 4k x 2k @60Hz eDP up to 2560 x 1400 @60Hz LVDS (18/24-bit) up to 1400 x 900 @60Hz
Ethernet	
Interface	10/100/1000 Mbps
Controller	-
Connector	1 x RJ45
Audio	
Interface	2.5W(by 4Ω) Speaker / Microphone / Earphone
CODEC	-
Expansion Slot	
Mini-PCIe	Full-size mini-PCIe slot x 1(For 3G/4G card)
Storage	
eMMC	16GB
Micro SD	1
I/O	
Audio	2.5W(by 4Ω) Speaker / Microphone / Earphone
USB	2 x USB 2.0 1 x Micro USB 2.0 OTG
COM	2 (1x RS-232; 1x RS-232/422/485)
HDMI/VGA/DVI/DP	1 x HDMI (Rear I/O)
DIO	8-bit (4-in, 4-out)
SMBus	-
Power Requirement	
Power connector	1x2 pin
Power type	DC-in 12V
Power mode	-
Watchdog Timer	
Interval	Integrated
Output	Integrated

Environment	
Operating temperature	32°F ~ 140°F (0°C ~ 60°C) or WITAS 1 (-20°C ~ 70°C)
Storage temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Relative humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	
Dimensions (L x W)	2.5" Embedded Board 100 mm x 72 mm (3.94" x 2.84")

Rear I/O



Dimensions



Ordering Information

Part Number	Description
APIX-RKC0-3288	Pico-ITX, Rockchip RK3288. HDMI/eDP/LVDS, 2COM/3USB./LAN, DDR3L-2G/eMMC-16G. WIFI/BT, DC(12V)/WF1X2P

Optional Accessories

Part Number	Description
TBD	USB Cable
TBD	Com Cable
TBD	NFC Board
800401503002	Power Cable 150mm, DC Jack 5.5*2.1

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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660