

深圳金亚太科技有限公司

Shenzhen Geniatech Co.,Ltd.

SPECIFICATION**MODEL:APC329L4**

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Revision History

| VERSION | DATE | BOARD ID | PAGE | DESCRIPTION | AUTHOR |
|---------|------------|----------|------|-------------|--------|
| V1.0 | 2021/08/04 | | | | |
| V1.1 | 2021/12/31 | | | | |
| | | | | | |

1. GENERAL DESCRIPTION

APC329L4 is an entry-level industrial ARM PC. Its shell is composed of a metal bottom shell and a plastic top shell with good heat dissipation performance. Meanwhile, its built-in 4G LTE module can access the cellular networks of different countries in the world, and it has strong decoding ability. It is suitable for OTT/IPTV media player boxes, commercial display media player boxes, commercial Android hosts, etc. It is fully functional and convenient:

- (I) Quad core ARM Cortex-A55 CPU @ 2.0GHz, ARM G31™ MP2 GPU
- (II) support Android 11.0 OS
- (III) 2GB RAM, 8GB eMMc
- (IV) support 802.11.a/b/g/n/ac(2.4G&5.8G) and BT4.0 or above
- (V) support 3G/4G LTE module build-in
- (VI) Support Ethernet 1000M
- (VII) Support Watch dog & RTC(Optional)
- (VIII) Support 1 * HDMI out (Max to 4KP60)
- (IX) Built-in 1 * USB2.0 + 1 * USB3.0 + 1 * IR reception

2. PRODUCT PICTURE

Below pictures are for reference only, please prevail in kind.



3.FEATURES

| | |
|-------------|--|
| CPU | Amlogic S905X4, 64 Bit Quad Core ARM Cortex-A55 |
| GPU | ARM G31™ MP2 |
| RAM | 2GB LPDDR4(4GB optional) |
| ROM | 8GB EMMC(16GB/32GB optional) |
| Network | 1000M Ethernet / 2x2 MIMO 2.4GHz/5GHz 802.11 a/b/g/n/ac / BT4.0 or above |
| I/O | USB3.0 x 1/USB2.0 x 1/HDMI OUT/SIM Card Slot/RS-232/IR IN |
| OS | Android 11.0 |
| DRM | Playready / Widewine |
| Power | Adapter 5V/2A |
| Appearance | 108mm x 104mm x 28mm, 280g |
| Environment | Operation temperature:0~ +55°C, 10%≤Relative humidity≤90% |

4.Support Formats

| Media Remark | Codec | Remark |
|--------------|--------|-------------------------------------|
| VIDEO | AV1 | up to MP-10/L5.1 4Kx2K@60fps |
| | MPEG-1 | up to MP/HL 1080P@60fps(ISO-11172) |
| | MPEG-2 | up to MP/HL 1080P@60fps(ISO-13818) |
| | MPEG-4 | up to ASP/L5 1080P@60fps(ISO-14496) |

| | | |
|-------|--|-----------------------------------|
| | H.264 | up to AVC HP@L5.1 : 4Kx2K@30fps |
| | H.265 | Up to HEVC MP-10@L5.1 4Kx2K@60fps |
| | WMV/VC-1 | up to SP/MP/AP : 1080p@60fps |
| | VP9 | up to Profile-2 4Kx2K@60fps |
| | AVS-P16(AVS+)/AVS-P2 | Up to JiZhun Profile 1080P@60fps |
| | AVS2-P2 | Up to Profile 4Kx2K@60fps |
| | Real Video 8/9/10 | Up to 1080P@60fps |
| | Supports *.mkv,*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm and *.jpg file formats | |
| AUDIO | Supports MP3, AAC, WMA, RM, FLAC, Dolby AudioOptional, DTSOptional and programmable with 7.1/5.1 down-mixing | |
| PHOTO | Mjpeg, Jpeg, jpg | |

5.Precautions for use

- 1.Storage temperature:-10 ~ +70°C
- 2.Do not squeeze、 distort or disassemble the PC.
- 3.Keep the Board away from static electricity .
- 4.Keep the Board away from water and other liquid.
- 5.Don't use long connect wires which may affect performance and image quality.