

13.3" Android Panel PC with Rockchip RK3588/RK3568 Processor

Overview

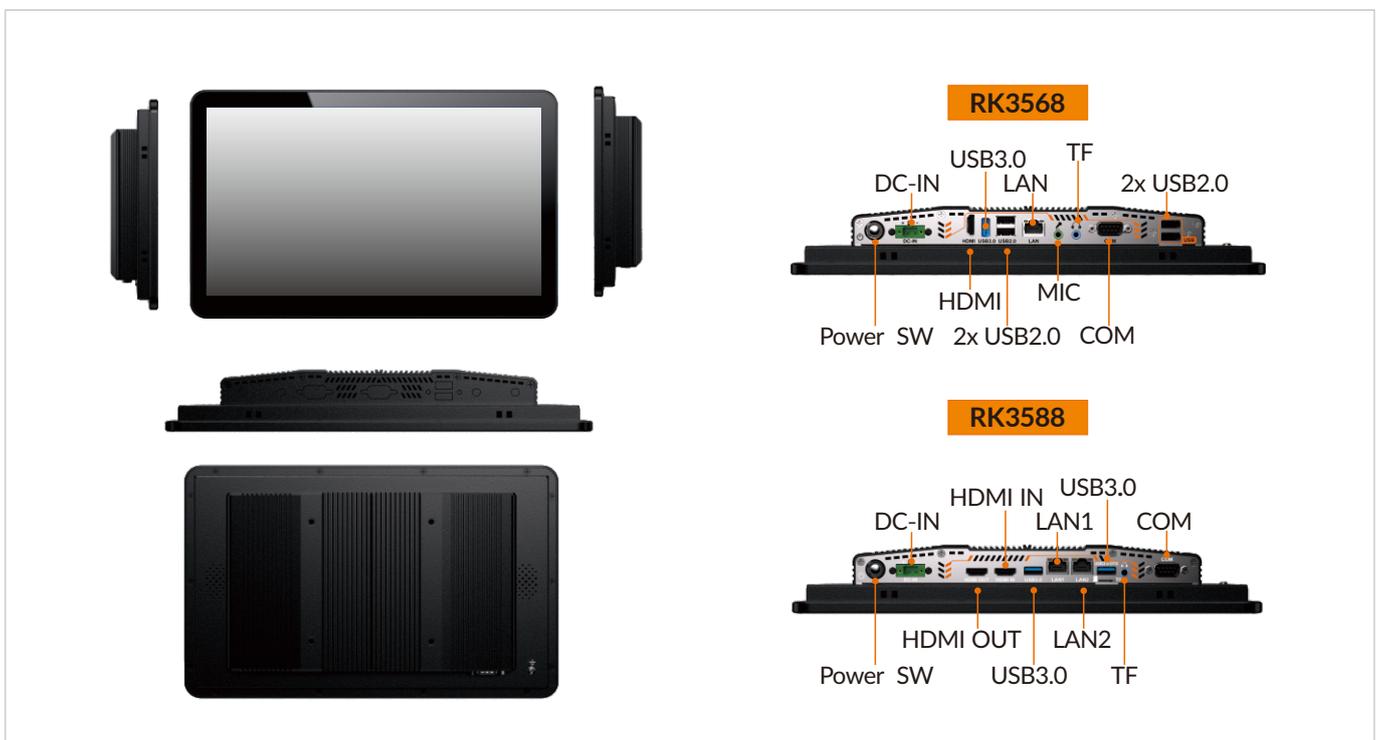
Darveen APC-8133 is a 13.3-inch ARM-based Android Panel PC designed for industrial applications that demand high performance and multi-tasking capabilities. Powered by the powerful Rockchip RK3588 octa-core processor, it supports 8K video codec and delivers exceptional computing power for use cases such as manufacturing control systems, multimedia presentations, image recognition, and HMI optimization. The APC-8133 offers a rich set of I/O interfaces for seamless peripheral connectivity. It runs on Android 13 and is also available with Ubuntu Linux. For applications with lower power requirements, a configuration with the Rockchip RK3568 processor is also offered.

Features

- 13.3" LED backlight, multi touch capacitive touchscreen
- Rugged aluminum enclosure and fanless design
- Rich I/O interfaces for versatile connectivity
- Wi-Fi 6/ Wi-Fi 5, 4G/5G expansion
- Supports Android and Ubuntu Linux OS
- Supports VESA 100 mount and panel mount
- IP65 compliant front panel



I/O Interfaces

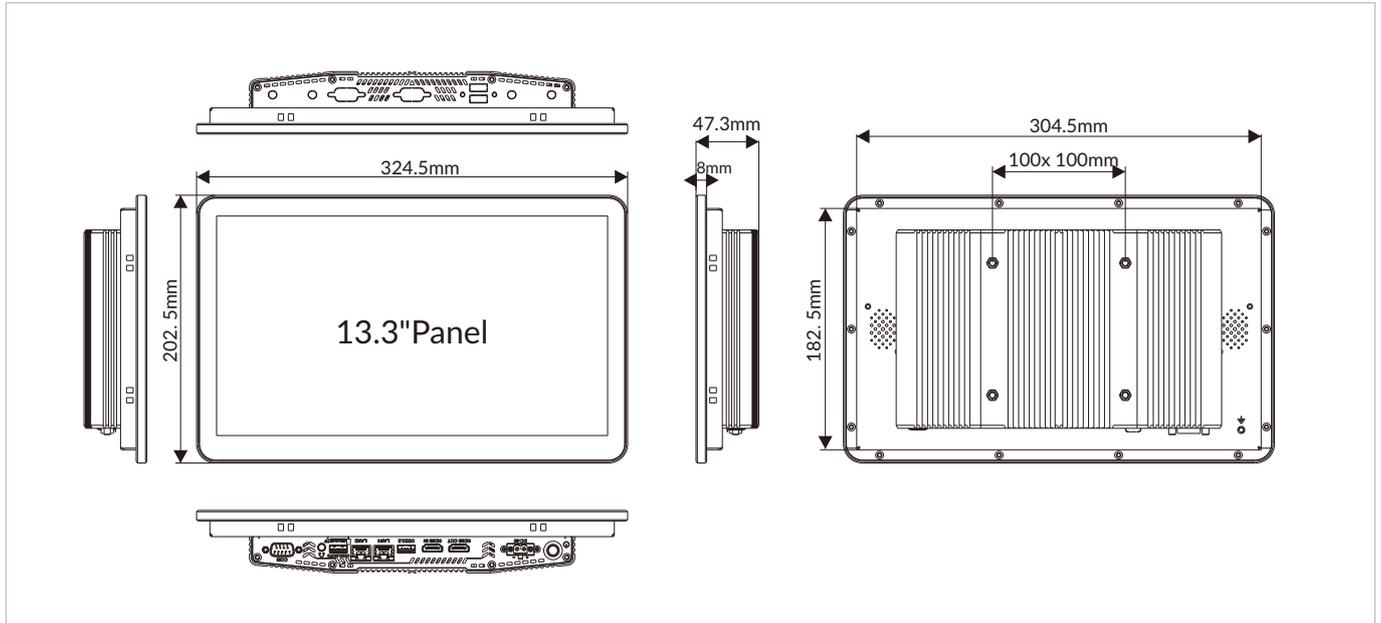


Specifications

| | | |
|-------------------------|--|---|
| Display | | |
| Size | 13.3 inch | |
| Touch Type | Projected capacitive multi touch | |
| Transmittance | 87% (capacitive) | |
| Control Interface | USB | |
| Surface Hardness | ≥7H | |
| Resolution | 1920 x 1080 | |
| Luminance | 300 nits | |
| Contrast Ratio | 1000: 1 | |
| View Angles | 85 (left), 85 (right), 85 (up), 85 (down) | |
| LED Lifetime | 30,000 hrs | |
| Color | 16.7M | |
| System | | |
| CPU | Rockchip RK3568 Quad-core Cortex-A55 up to 2.0GHz | RK3588 quad core Cortex-A76, 2.4GHz and quad core Cortex-A55, 1.7GHz processors, NPU 6 TOPS |
| Chipset | ARM Mali-G52 GPU | ARM Mali-G610 MP4 |
| Memory | DDR4 4G (onboard) | DDR4 8GB (onboard) |
| Storage | EMMC 32G (onboard) | EMMC 64G (onboard) |
| I/O Ports | | |
| USB | 1x USB 3.0 (support OTG) 4x USB 2.0 | 2x USB 3.0 (One supports OTG) 2x USB 2.0 (Optional) |
| Serial | 1x COM (COM1 supports RS-232) | 1x COM (COM1 supports RS-232) |
| Ethernet | 1x GbE LAN | 2x GbE LAN |
| Display | 1x HDMI out | 1x HDMI out, 1x HDMI in |
| SIM Card Slot | / | 1x TF Card Slot |
| Antenna | 2x SMA antenna holes | |
| RF Communication | | |
| Wi-Fi | onboard Wi-Fi 5 | onboard Wi-Fi 6 |
| Cellular | 4G/5G (Optional) | |
| Bluetooth | V4.1 | V5.3 |
| Audio | | |
| Audio | Mic in, line out | |
| Speaker | 2x speaker | |
| Power | | |
| Button | Yes | |
| DC Input | 12V | |
| Power Consumption | 10W | |
| Power Adaptor | AC-DC, 12V@5A, 60W | |
| Operating System | | |
| Linux | Ubuntu | |
| Android | Android 11 | Android 13 |
| Mechanical | | |
| Dimensions (W x D x H) | 324.5 x 202.5 x 47.3 mm (12.8 x 7.97 x 1.86 inches) | |
| Weight (N.W.) | 2.1 kg (4.63 lbs) | |
| Mounting | Panel mount, wall mount bracket VESA 100 | |
| Material | Aluminum alloy panel, all-metal chassis | |
| Environment | | |
| Operating Temperature | -10 to 50°C (14 to 122°F) | |
| Storage Temperature | -20 to 60°C (-4 to 140°F) | |
| Relative Humidity | 10% to 95% @ 40°C (104°F), non-condensing | |
| Vibration | 5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis | |
| IP Rating | IP65 compliant front panel | |

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|----------------------|--|
| Certification | |
| EMC | CE, FCC |
| Packing List | |
| Packing | 1x APC-8133 6x panel mounting buckles 1x warranty card |

APC-8133 (RK3568) Dimensions



APC-8133 (RK3588) Dimensions

