



Flexy Vision 13.3 RK3399

Panel PC with 13.3" LCD display based on Rockchip RK3399 SoC

Flexibility Meets Style For Endless Visual Display Applications



HIGHLIGHTS

| | |
|--|---|
| CPU Rockchip RK3399 processor | CONNECTIVITY 2x GbE; 2x RS-232 or RS-485 on DB-9 connector; 2x USB 3.0 + 2x USB 2.0 ports |
| GRAPHICS 50K Hours 1920x1080 LVDS display with projected capacitive touchscreen integrated | MEMORY Soldered-down LPDDR4 memory, up to 4GB total |



MAIN FIELDS OF APPLICATION



Coffee & Vending



Industrial Automation



Digital Signage

FEATURES

| | | | |
|--------------------------|--|-------------------------------|--|
| CPU | Rockchip RK3399 processor, 2x Cortex®-A72 MP cores + 4x Cortex®-A53 MPCores, up to 1.8GHz, 64-bit architecture | USB | 1x USB 3.0 Type-C port (Alternate mode with DP) 1x USB 3.0 Host port on Type-A socket 2 x USB 2.0 Host ports on Dual Type-A socket |
| Memory | Soldered-down LPDDR4 memory, up to 4GB total, 64-bit interface | Audio | TRRS Audio Jack (Combo MicIn + Lineout) |
| Embedded Graphics | 4-Core Mali-T860MP4 GPU, supporting OpenGL ES 1.1/2.0/3.0/3.1, OpenVG 1.1, OpenCL Embedded VPU, able to offer: <ul style="list-style-type: none"> H.265 10-bit, H.264 10-bit, VP9 8-bit 4Kx2K@60fps HW Decoding MPEG-4/MPEG-2/VP8 1080p@60fps HW Decoding H.264, VP8 1080p@30fps HW encoding Dual Display support | Serial Ports | 2x RS-232 or RS-485 (factory option) on DB-9 connectors |
| Video Section | 13.3" LVDS display, resolution 1920x1080, LED lifetime 50K hours life min, 260cd/m ² min. brightness P-Cap (Projected Capacitive touch screen), with 3.0mm glass cover Glass Hardness IK07, Surface Hardness 7H | Other Interfaces | Power ON Button with integrated LED Optional Ultra Low Power SPI RTC Optional CAN ports (up to 2x) Optional, 4x GPIOs |
| Video Interfaces | HDMI® 4K interface DP 1.2 interface on USB Type-C connector (alternate mode) | Power Supply | Main Power: 12V _{DC} - 24V _{DC} Power In connectors: DC Power Jack |
| Mass Storage | eMMC drive soldered on-board, up to 64GB Optional SPI Flash | Operating System | Linux |
| Networking | 2x Gigabit Ethernet port Soldered on-board M.2 1216 WLAN 802.11 a/b/g/n/ac + BT 5.0 module* On-board LTE Modem* | Operating Temperature* | 0°C ÷ 50°C |
| | | Dimensions | 349.2 x 220.8 x 58 mm |

*Measured at any point of the heatspreader/heatsink during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.

Information subject to change. Please visit www.seco.com to find the latest version of this datasheet

Flexy Vision 13.3 RK3399

Panel PC with 13.3" LCD display based on Rockchip RK3399 SoC

Display touch kit specifications

- P-Cap (Projected-Capacitive touch technology) - Glass cover
- Glass Hardness: IK07
- Surface Hardness: 7H
- Thickness: 3.0mm
- Air bonding

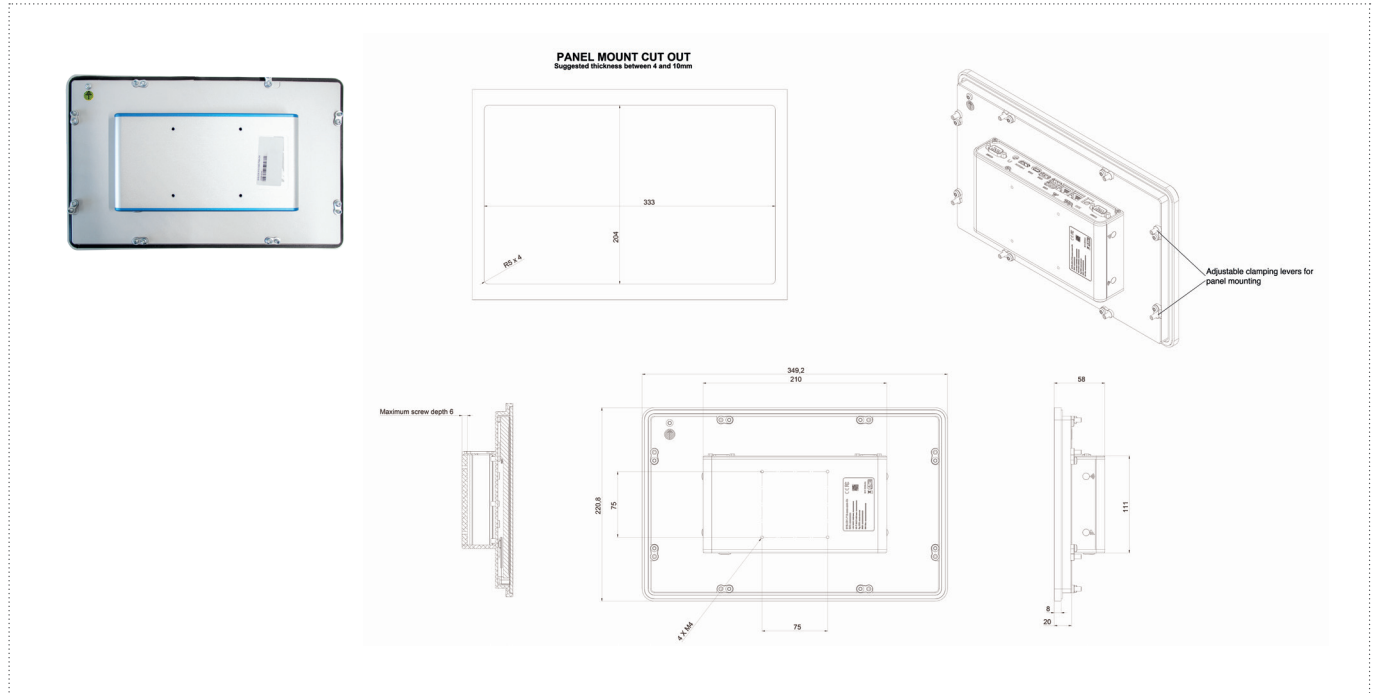
LCD General specifications

| Item | Specification |
|-----------------------------|--|
| LCD Size | 13.3" |
| Resolution | 1920x1080 |
| Display Mode | Advanced Hyper-Viewing Angle (AHVA) |
| Display colours | 16.7M colours |
| Pixel pitch | 0.15285 (H) x 0.15285 (V) mm |
| Active Area | 233.472 (H) x 165.078 (V) mm |
| Module Size | 309.7 (H) x 184.1 (V) x 9.6 (T) mm. typ. |
| Pixel Arrangement | RGB Vertical Stripe |
| Surface Treatment | Anti-Glare, Anti Fingerprint |
| Interface | LVDS |
| Luminance | 260cd/m ² (min.), 320cd/m ² (Typ.) |
| Backlight Power Consumption | 15W (Max) |
| Panel Power Consumption | 1.8W (Max) |

Optical specifications

| Item | Symbol | Condition | Values (degree) | | |
|---------------------------|------------|---------------------------------|-----------------|------|------|
| | | | Min. | Typ. | Max. |
| Viewing angle (CR≥ 10) | θ_L | $\Phi=180^\circ$ (9 o'clock) | 75 | 89 | - |
| | θ_R | $\Phi=0^\circ$ (3 o'clock) | 75 | 89 | - |
| | θ_T | $\Phi=90^\circ$ (12 o'clock) | 75 | 89 | - |
| | θ_B | $\Phi=270^\circ$ (6 o'clock) | 75 | 89 | - |

Panel mount/VESA mount*



* all dimension are in mm

Streamline and expedite your edge computing implementations

EDGEHOG OS

A flexible operating system that adapts to your needs, thanks to the customization tool and Docker support. Reliability and security are built-in through a dual-partition system and native integration with Exein's robust AI-based protection.

DATA ORCHESTRATION

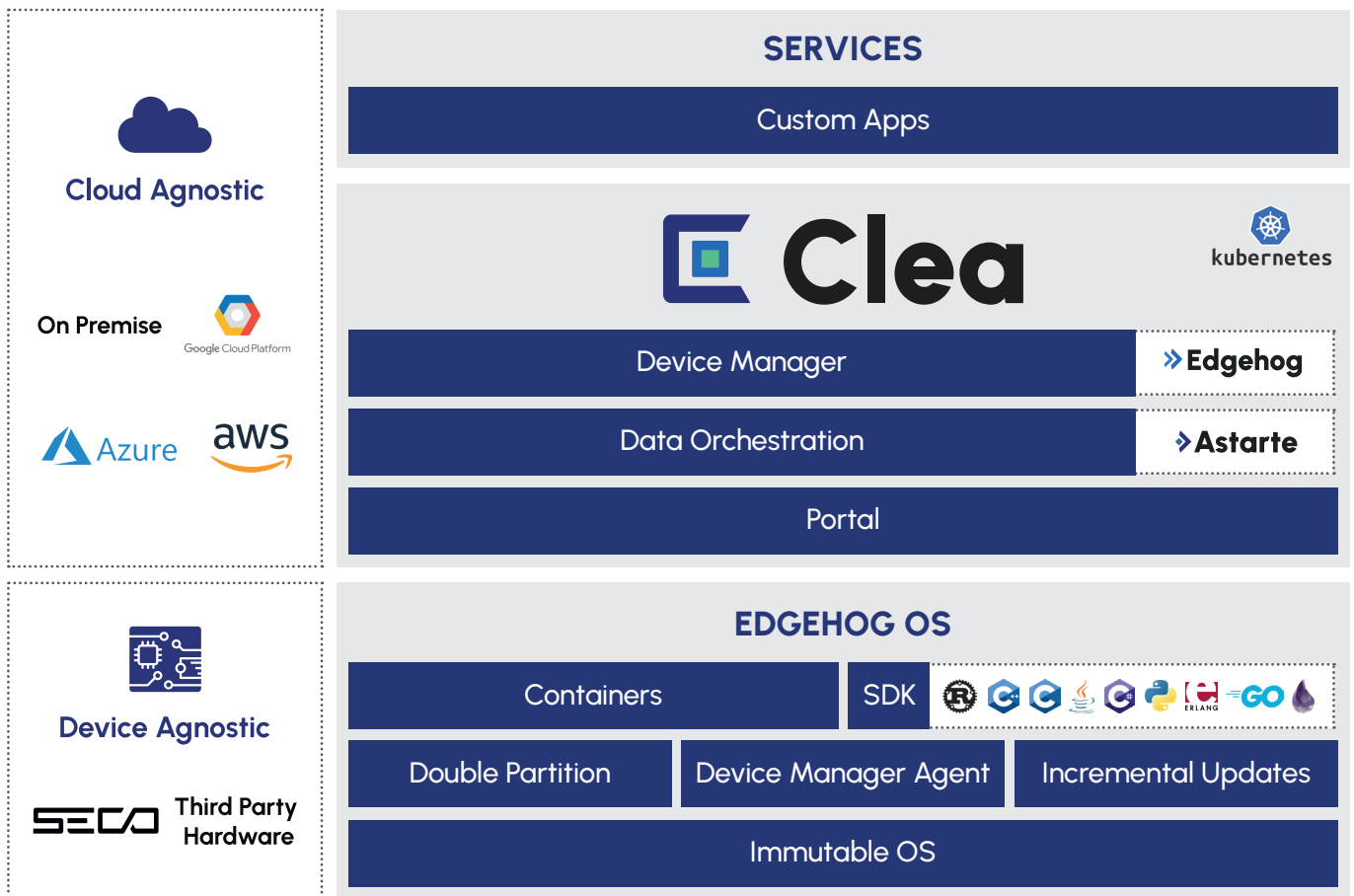
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

DEVICE MANAGER

Update, configure, and manage remote devices. Optimize time and costs to maximize operational efficiency and security without the need for costly field interventions.

PORTAL

Analyze data from remote devices, customize the user experience with applications tailored to user needs, and manage user rights, company access, and tenant privileges.



Scan to know more about our solution

EDGEHOG OS



CLEA DOCS

