

HMI

The Rapidise RISE X1 HMI Tablet, powered by the QCS5430 platform, 3.5 TOPS, is a high-performance industrial interface designed for intelligent automation and next-gen edge computing environments. Built to deliver responsive visuals and seamless multitasking, it enables real-time control, advanced AI-driven processing, and secure connectivity across diverse HMI applications. With its energy-efficient architecture, robust multimedia capabilities, and scalable software integration, RISE X1 empowers enterprises to streamline operations, enhance user interaction, and accelerate digital transformation across smart industry ecosystems.



FEATURES

Real-Time Data Access

Data Logging Trend Analysis

High-Resolution Touchscreens

Customizable Dashboards

Alarms, Trends & Password management

Environmental Resistance

Technical Specification

SOC	QCS5430	CFA	RGB
DDR	4 GB LPDDR5	HDR	2 exp sHDR: ≥ 85 dB
UFS	3.1:128GB	Interface	MIPI CSI-2
Android	Android 13.0	HFOV	$\geq 150^\circ$ SNR1 ≤ 0.20 lux
PMIC	Per SOC requirements	Lens Filter	IR Cut Filter: $T \leq 0.5$ at 650 nm
Power Source	USB: 5 V \pm 5%	Lens Coatings	Anti-Reflective (AR) / Scratch Resistance (SR)
Max Operating Power	≤ 6 W	Working Distance	Vehicle can be seen at ≥ 15 m
Max Peak Operating Power	≤ 10 W	IR Corrected Lens	Yes
Sleep Power Draw	≤ 25 mW	Lens Filter	Dual Band IR Filter: $T \geq 0.9$ at 940 nm
Backup Power Source	Lithium-Ion Battery	Lens Coatings	Anti-Reflective (AR) / Scratch Resistance (SR)
Speed	USB 2.0 HS	Environmental	IP5x (Dust)
Cable Length	4 m	Operating Range	-40 C to 85 C Ambient
Interface	Cable - receive data from OBD2 port or direct wiring	WiFi	Wi-Fi: 802.11 b/g/n/ac 1x1 w/ hotspot
Speed	1 Mbit/s	Bluetooth	BT 5.2 and NFC
Number Microphones	1	LTE	LTE 4G, MFF2 SIM chip or 4FF Nano SIM.
Microphone SNR	≥ 60 dBA	GPS	Multi-Constellation GNSS, IRNSS
Microphone AOP	≥ 120 dB	Battery	For super capacitor 30-60 sec of backup after switchoff.
Number of Speakers	1	RGBW	If possible, RGBW sensor for better sensitivity
Speaker Output	≥ 100 dB @ 0.1 m	SIM	Yes
Speaker Amplifier	As required for speaker	Additional Storage	HMI Tablet having 64/128GB storage, SD card slot
Type	3 axis accelerometer	Display	LED panel for interaction with driver.
LED	RGB LED, externally visible	Screen	10 inch
Resolution	4MP (2560 x 1440)		
Frame Rate	≥ 30 FPS		