

REDUCE THE COST OF
TRANSPORTATION



HOPECHART



INSTRUMENT HQFC series

INSTRUMENT CLUSTER FOR COMMERCIAL VEHICLES



This product can display vehicle speed, mileage, engine speed, fault code and other driving information, compatible with multi-sized LCD to meet the needs of customers with different models. It is integrated with ACC, ADAS, AEBS and other intelligent driving display functions, with network management, diagnostic and software brush. This product has rich color and can achieve a more cool UI interface, a sense of science and technology.



BASIC DISPLAY



LCD SCREEN



NETWORKING



DIAGNOSIS



PARAMETER CALIBRATION



DATA FLUSHING



WAKE-UP



FAULT DISPLAY



FUNCTIONAL SAFETY



MULTI LANGUAGE
SWITCHING



INFORMATION SECURITY



INTELLIGENT
DRIVING

CUSTOMER CASE



PERFORMANCE PARAMETER	
Type	TFT
Resolution	800*480
Brightness	>500cd/m
Angle of View	80°
LED Light	Green =525nm Blue=470nm Red=623nm Yellow=589nm
Maximum Operating Current	< 2A
Rated Current	< 800mA
Static Current	≤2mA
Mileage of First Failure	≥ 300,000 km
Service Life	≥ 1,800,000 km
IP Grade	IP54 (front) /IP20 (back)
Operating Temperature	-40°C~75°C
Storage Temperature	-40°C ~ +85°C
Operating Voltage	DC16V~32V
Core Chip	RISC-V CPU x 2@400MHZ
Storage	DDR2: 512MB, Flash>512MB
Functional Safety	ISO 26262 ASIL B
CAN	2
LIN	1

GENERAL CONFIGURATION	HIGH CONFIGURATION	TOP CONFIGURATION
Increase Core & Graphic Performance + System Protection		
Increase Memory Size & Bandwidth		External RAM
		3D Graphic Engine
2D Vector Graphics Engine		
2.5D Graphics		
LCD Bus Support	Video Output	Video Output & Input
High Speed external Serial Flash Access		
AVB & Ethernet		
E ² PROM Emulation + Enhanced Stepper Motor Drive, Sound Generation & Illumination Control		
BASIC	MODERATE	BETTER
		SUPERIOR
FULL LCD		

15+ DEVELOPMENT HISTORY	700+ TOTAL EMPLOYEE	1500m² EXPERIMENTAL SITE	27000m² FACTORY SITE	3000000+ ANNUAL PRODUCTION CAPACITY	10000000+ CUMULATIVE SHIPMENT
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Hangzhou HopeChart IoT Technology Co., Ltd. was established on June 11th, 2009, and landed in science and technology innovation board of Shanghai Stock Exchange on November 6th, 2019 (stock code: 688288), with a registered capital of 100,343,920 yuan. With the mission of "reducing the cost of transportation", Hopechart has continuously expanded the application fields of intelligent connected products for more than 10 years, and successfully promoted the connected products from commercial vehicle to many sub-fields such as new energy vehicle, non-road machinery, and motorcycle. Through independent R&D and manufacturing capabilities from design planning, development, mold making to production, we are committed to providing customers with intelligent network system and service based on hardware terminal and vehicle networking platform.

OUR CLIENTS



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