

SYS TEC
ELECTRONIC

sysWORXX
Automation Series

HMI-3570

Mobile Display Controller

The compact 5.7" universal display device with integrated IEC 61131-3 controller in IP67 housing is powered by an ARM11 processor with target-optimized Linux OS. The user application is loaded and executed in less than 4 seconds after power-on.

ARM11 based CPU with 533MHz

IEC 61131-3 and C++ programmable

Less than 4 seconds boot-up time

Multi-byte character support

IP65 housing with 35-pin AMPSEAL connector



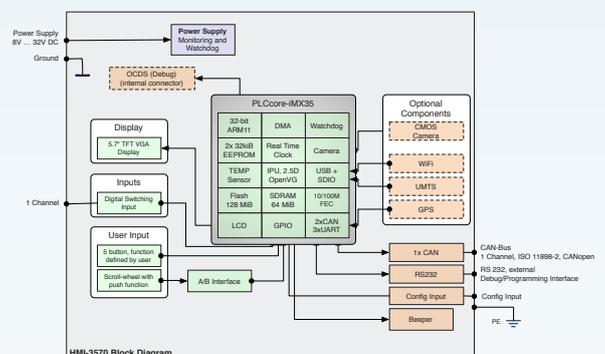
The increasing use of modern communication devices such as smart phones and tablet PC in private sectors leads to increasing expectations of users toward handling machines and vehicles. Multimedia-capable devices are about to become a must-have feature for interfacing and operating machine control systems.

Such multimedia-capable systems include use of camera devices and increasingly make use of remote controlled technologies. As a consequence, modern operator devices not only include elements to control vehicle functions. In fact such devices are increasingly required to include wireless communication technologies to download and display internet content such as maps and geological data and upload maintenance and position data to fleet management systems.

To solve the contradiction between the extended functionality and machine cost flexible components and well-established communication standards are required to enable easy interconnection of multi-vendor devices within the machine's control system. By using CAN-bus based networks, even complex control structures can be realized without exceeding efforts.

SYS TEC electronic offers professional engineering and development services that help you to maintain a sound headstart towards your competing market players.

We do not only provide advanced products but also offer OEM customers with the electronic product designs for incorporation of this product designs into their own product lines.



详细资料? 请通过sales@hkaco.com联系我们。

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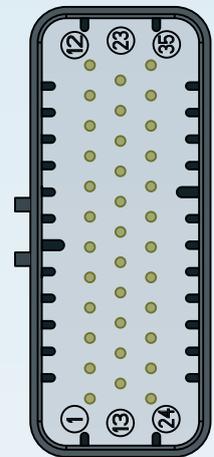
华南理工大学国家大学科技园2-504

Feature Overview

CPU	Freescall i.MX357 MCU, 522MHz
Supply Voltage	8 .. 32V
Current Consumption	apx. 5W
Protection Measures	Short circuit protected against VBAT and Ground Reverse polarity on power supply/battery
Diagnostic capabilities	On-board temperature sensor, On-board voltages Error history logging
Other Signals	Ignition signal input (K15) Software independent watchdog Configuration Input Signal
Programming/ Software Support	IEC 61131-3 with CANopen Manager Support C/C++ programming in Linux Linux OS with <3sec boot-up time
Memory	128MiB Flash, 64MiB Ram
Operating Temperature	-30°C ... +70°C
Communication Interfaces	1x CAN (with CANopen CiA 302) 1x RS 232 1x 10/100Mbps Fast Ethernet
Display	5.4" TFT with LED backlight Resolution: 640x480 (VGA) Brightness: max 500 cd/m ² Backlight controllable by user application
Visualization	Spidercontrol Target Visualization with Multi-Byte character support Optional Web-based visualization via Ethernet
User Input / Output Elements	5 keys (function configurable by user application) Scroll Wheel with push button Beeper (controllable by user application)
Enclosure	Aluminium diecast, IP67 according to EN 60529 Water-proof pressure compensation membrane
Development Environment	IEC 61131-3 and Spidercontrol Target Visualization: OpenPCS with SYS TEC specific extensions Spidercontrol PLC-Editor for Windows C/C++ Applications: Complete ready-to-use toolchain with Eclipse IDE in a Linux-based Virtual Machine (VMware®)
Conformity	CE acc.to 2004/104/EC

Connector Pinout

12	VBAT+	35	VBAT-
11	SIO0 TX	23	
10	SIO0 RX	22	DIO
9	n.c.	21	GND
8	n.c.	20	n.c.
7	n.c.	19	n.c.
6	SIO1 RX	18	n.c.
5	n.c.	17	GND
4	n.c.	16	SIO1 TX
3	n.c.	15	n.c.
2	CANO_H	14	n.c.
1	CANO_L	13	GND
		12	CANO_L
		11	GND
		10	CANO_H
		9	GND
		8	CANO_H
		7	GND
		6	CANO_L
		5	GND
		4	CANO_L
		3	GND
		2	CANO_H
		1	GND



Mating Plugs:
(tyco)

C-776164

35-pin, AMPSEAL

