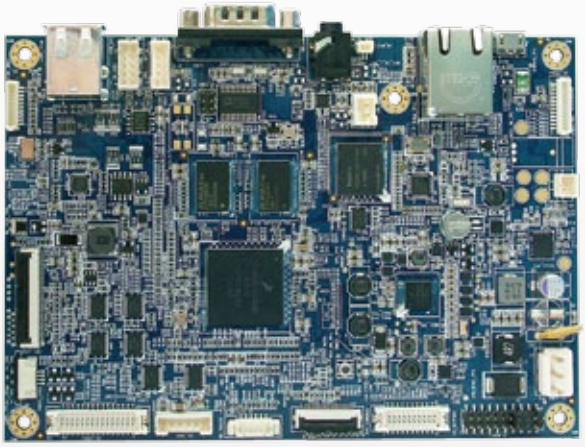
EF-51LF

Support ARM Cortex A8 Core / Freescale i.MX515 800MHz MPU / Low power consumption and cost-efficiency / Win CE6.0



Features

- Freescale i.MX515 800MHz MPU has Low power consumption and cost-efficiency
- Support Freescale i.MX515 800MHz MPU(Cortex A8 Core)
- Memory support up to 512 MByte DDR2 SDRAM on board
- 2GB e-NAND for Storage
- Display support 18 bit TTL for 7" LCD Panel& 24 bit LVDS for 15" LCD Panel, Resolution up to WXGA(1280 x 800)
- Support 720p30 Video decode
- Support Windows CE 6.0 OS

Specifications

System

CPU Support	Freescale i.MX515 800MHz
OS Image	OS Microsoft Windows CE 6.0
Display	Display 1-24 bit TTL transfer LVDS Display 2-18 bit TTL for 7" Resolution up to WXGA(1280 x 800) Support 720p30 Video Decode Support Video Decode (MPEG-2,H.264,VC1,MPEG-4, H. 263, DivX, VC1) GPU Support OpenVG 1.1,& OpenGL/ES 2.0
LAN Chip Type	Single Ports; RJ45 connector on board - XCVR PHY 10/100MBPS (SMSC LAN8710A)
Memory	Up to 512 MByte DDR2 SDRAM on board
Flash	e-NAND 2GB
PMIC	Freescale MC13892JVK
Sound	Audio Codec(Freescale SGTL5000XNAA3R2)
WDT	Built-in Freescale i.MX515 MPU
Dimension	145 mm x 102 mm
Certificate	FCC / CE

I/O Ports

LCD Interface	1 x 40 pin FPC connector for 7" TTL LCD 2 x 15 pin connector for 15" LVDS LCD
Serial Port	2 port on Board (1)COM1:D-Sub 9 pin (TX,RX,CTS,RTS) ; (2)COM2: 1x5 pin wafer(2.0mm pitch)for RS485 or RS232 (TX & RX signal)
LAN	1 x RJ45 connector (10/100 Ethernet)
Audio Codec	Audio Codec(Freescale SGTL5000XNAA3R2) Audio AMP (1) Phone Jack for Line-out/MIC (2) 1 x 2 pins internal speaker,
USB	5Port (1)1 port for USB2.0 OTG 2.0; (2)4 port for USB2.0 HOST (from smsc 2514 USB HUB) 2 port for Internal Connector & 2 port for External Connector
Touch Panel	1 x 4 pin FPC connector for 4-wire 7" touch panel
Inverter	1 x 6 pin connector for 12V inverter
SD/MMC	1 x Micro SD slot,
Digital I/O	3 bit input and 3 bit output digital port availability(2x5 pin 2.0 mm wafer)
Keypad	Reserved Keypad connector for 48 key switch
System Status	1 x 2 pin for Power LED,

Environment

Power Supply	Single DC IN (12V) Power Adapter
Operation Temp.	0° ~ 60° C (32° ~ 140° F)
Storage Temp.	- 40° ~ 85° C (- 40° ~ 185° F)
Humidity	Operation humidity 20 ~ 90%, storage humidity 20 ~ 95%

*All information contained in this document is subject to change without prior notice.
Please log on www.protech.com.tw to acquire latest information.

PROTECH SYSTEMS
Protech Systems Co., Ltd.
No. 24, Lane 365, Yang Goang Street, Nei Hu District Taipei 114, Taiwan R.O.C.

www.protech.com.tw
TEL: +886-2-8751-1111 / FAX: +886-2-8751-1199
E-mail: sales@protech.com.tw