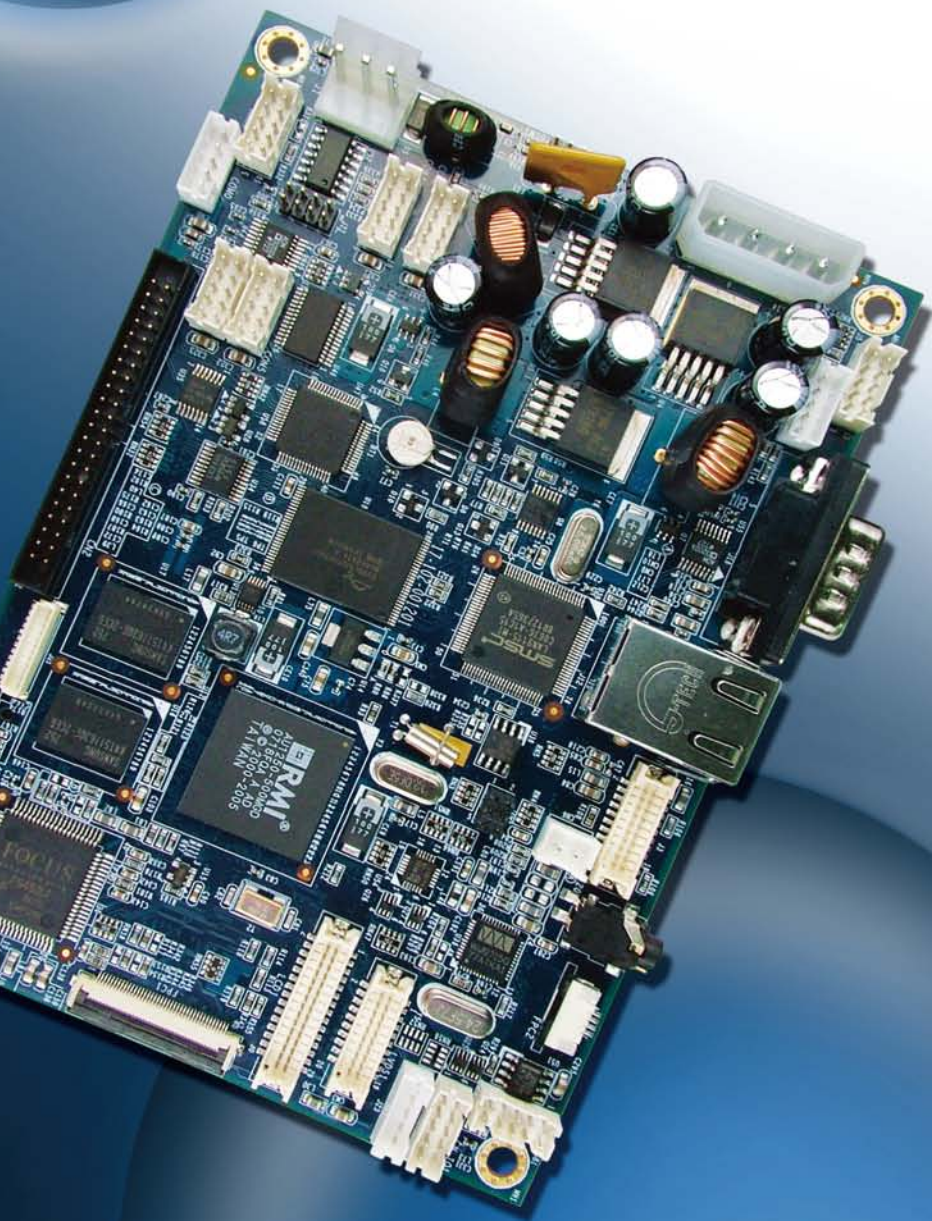


# RISC



## ER-12LF

MIPS base Motherboard /  
Netlogic Logo CPU / Win  
CE5.0 / SD

### Features and Benefits:

- Netlogic Logo AU1250 features low power consumption and cost-efficiency
- Rich I/O ports support various peripheral
- Compact architecture for space saving application
- Ideal solution to industrial mobile device & portable media gadget
- Provide Linux 2.6 source code included original BSP



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### Protech Japan Co., Ltd.

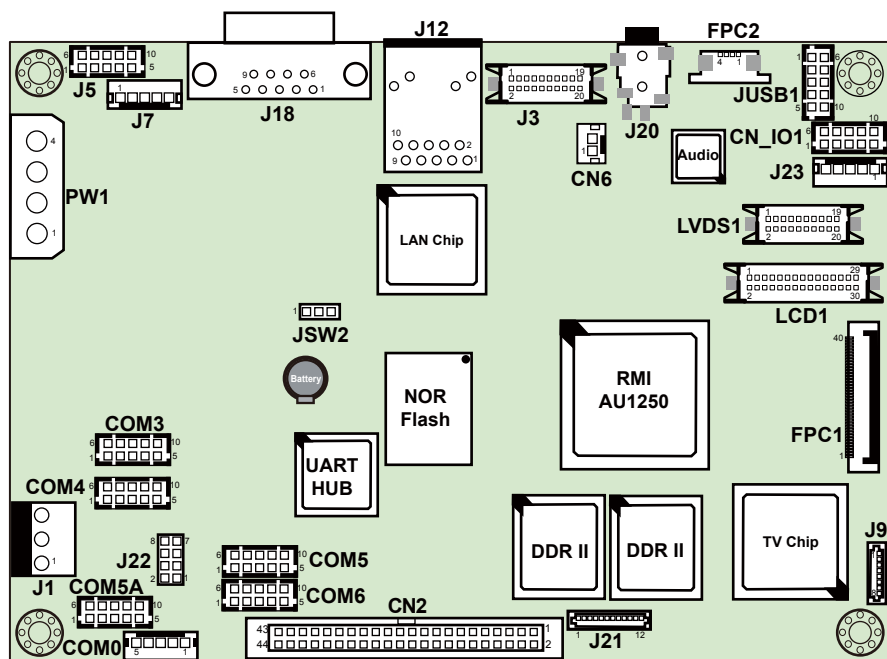
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9001 14001

# ER-12LF

MIPS base Motherboard / RMI CPU / Win CE5.0 / SD



## Specifications

System	
<b>CPU Type</b>	Netlogic Logo AU1250 500MHz
<b>OS Image</b>	OS Microsoft Windows CE 5.0
<b>Display</b>	Support Mpeg (1,2,4, H 263, DivX, WMV9) Resolution 800 x 600 (up to 1024 x 768) Support 18bit TTL TFT LCD
<b>LAN Chip Type</b>	SMSC9115 10/100M base T
<b>NAND Flash</b>	512Mb (64M x 8 bit) on board
<b>NOR Flash</b>	512Mb (64M x 8 bit) on board
<b>SDRAM</b>	128M byte DDR2 (533 MHz)
<b>Watchdog</b>	Hardware watchdog timer
<b>Dimension</b>	145 mm x 102 mm
<b>Certificate</b>	CE, FCC

## I/O Chipset

<b>IDE Interface</b>	1 x 44 pin IDE connector
<b>LCD Interface</b>	2 x 15 pin connector for 18bit TTL LCD 1 x 40 pin FPC connector 2 x 10 pin connector for LVDS
<b>Serial Port</b>	6 x COM (COM 0 for debug, COM 1, COM 3 ~ COM 6 for RS232; COM 5A for RS232 / RS422 / RS485
<b>LAN</b>	1 x RJ45 connector (10/100 Non-PCI Ethernet)
<b>VGA interface</b>	Support VGA port (option)

<b>Sound+ Touch panel CODEC</b>	AC' 97 Audio + Touchpanel CODEC 1 x 2-pins internal speaker
<b>USB</b>	2 x 5 pin support USB2.0 OTG/ HOST connector
<b>Inverter</b>	1 x 5 pin connector for 12V inverter
<b>Touch Panel</b>	1 x 4 pin FPC connector for 4-wire touch panel 1 x 5 pin P=2.0 connector for 5-wire touch panel
<b>SD/MMC</b>	1 x SD/MMC slot, 1 x 12 Pin for External SD/MMC
<b>Digital I/O</b>	4 bit input and 4 bit output digital port availability
<b>System Status</b>	2 x 4 pin for Power, HDD LED, ON/Reset SW

## Environment

<b>Power Supply</b>	DC in (14~30V) only (3 Pin headed), AT & ATX supported
<b>Power Requirement</b>	19V / 1.0A
<b>Operation Temp.</b>	0° ~ 60° C ( 32° ~ 140° F )
<b>Storage Temp.</b>	- 40° ~ 85° C ( - 40° ~ 185° F )
<b>Humidity</b>	Operation humidity 20 ~ 90%, storage humidity 20 ~ 95%

## Ordering Information

<b>ER12LF-C500</b>	3.5" Netlogic Logo AU1250 500MHz (Industrial) w/TTL/LVDS/6COM/ LAN/ Audio/4DIO; w/o VGA/ RS422/RS485
<b>ER12LF-C500WR</b>	3.5" Netlogic Logo AU1250 500MHz (Industrial) w/TTL/LVDS/6COM/RS422-RS485/ LAN/Audio/ WDT; w/o VGA/4DIO

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