IOVU-751R

MIPS-based Panel PC

Multi-Media | MPEG1 MPEG2 MPEG4 WMV9 | **DivX** MPEG4 | **Hardware Decode**

Traditionally, Power over Ethernet (PoE) technology has been used to power low voltage devices such as wireless LAN Access Points, Voice over IP phones and IP-based cameras. However, the IOVU-751R is a 7" touch screen panel PC powered by Ethernet and with enhanced built-in hardware multimedia acceleration engine (MAE) to support MPEG1/2/4, DivX, and WMV9 in full D1 resolution. The power requirement is less than 13 W, and falls within the power specified in the IEEE 802.3af PoE industry standard.

Intranet Internet

Power Sourcing Ethernet Switch

Wireless LAN Access Point

IP Camera

VoIP Phone

RMI Raza Microelectronics, Inc. | **Windows CE** 5.0 | Linux | **MIPS** TECHNOLOGIES

Applications

The IOVU-751R is a rugged, compact device that has low power consumption and is designed without failure-prone hard disks and fans; moreover, its high-performance multimedia support is a solution for diverse range of applications :

> POE supports Ethernet transmission for updating advertisement and doesn't need additional power supply.
> Compliant with varied digital video media including MPEG1, 2, 4, DivX, and WMV9.
> Internal speakers and fan-less feature for great audio presentation.

Home / Building Automation
● Update the latest information by Ethernet like cookbook, entertainment program…etc.
● Power meter, lighting control, and home-safety.

Slim POS
● PoE supports Ethernet service and power supply function directly.
● Easy to integrate optional barcode reader, magnetic card reader, and customer display.

Thin/Client
● Provide the service information to all passengers.
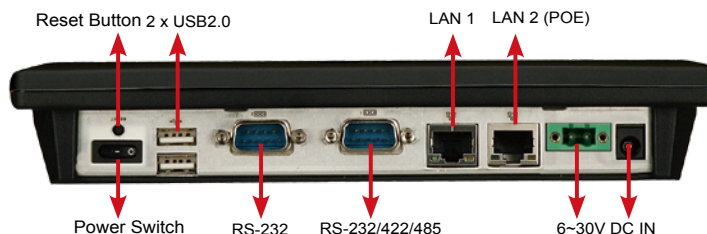● Varied movies, games, and chat room for all passengers.

Digital Signage & Game Device
● Update advertisement programs by Ethernet and support multimedia functions.
● Access games, sport training programs and internet service. Users don't need an individual coach anymore.

Features

- Processor includes MAE (Media Acceleration Engine) supports MPEG 1/2/4 and WMV9
- RISC-based processor provides high performance and extremely low power consumption
- POE (Power over Ethernet) function
- 7" widescreen WVGA TFT LCD with resistive touch screen
- Compact design with plastic housing
- Fanless system
- Built-in 1.5W speakers
- Secure Digital card slot for storage expansion
- IP64 compliant front panel

Reset Button   2 x USB2.0   LAN 1   LAN 2 (POE)

Power Switch   RS-232   RS-232/422/485   6~30V DC IN

IOVU−751R Specifications

Model	IOVU-751R
LCD Size	7"
Max. Resolution	800 x 480
Brightness (cd/m2)	400
LCD Color	262K
Pixel Pitch (mm)	0.0635 (H) x 0.1905 (V)
Backlight MTBF	50000 hrs
Touch Screen	Resistive Type 4-wire
CPU	Alchemy™ Au1250™ 500 MHz
RAM	256 MB DDR2
Bootloader Storage	2 MB boot ROM
OS/Program Storage	1 GB Secure Digital card
I/O Ports and Switches	1 x RS-232 COM port 1 x RS-232/422/485 COM port (Software Controllable) 1 x Reset button 1 x On/Off power switch 2 x 10/100Mbps LAN (one supports POE) 2 x USB 2.0 host

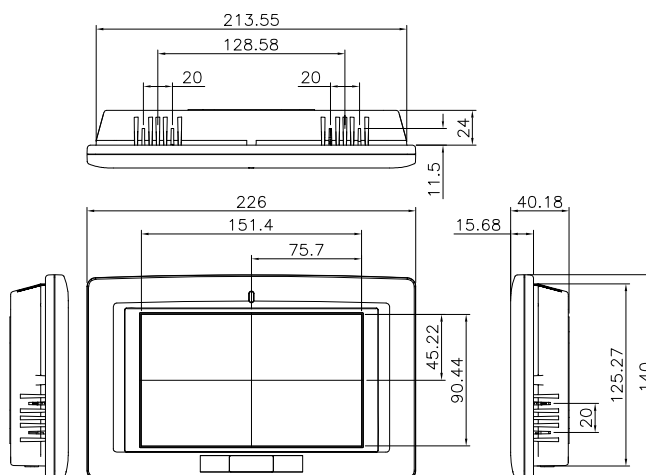| Audio	1.5W speaker x 2
Construction Material	ABS + PC Plastic
LED Function	1 x Power ON/OFF LED on front panel
Mounting	Panel, Wall, Stand, Vstand and Arm (VESA 75 x 75)
Front Panel Color	Gray 7C
Dimensions (W x H x D mm)	226 x 140 x 40
Operating Temperature (°C)	-20 ~ 60
Storage Temperature (°C)	-20 ~ 80
Net Weight (kg)	0.8
IP Level (front panel)	IP 64
Power Requirement	6~30 V DC
Power Consumption	8.5 W

Packing List

1 x IOVU-751R
1 x Utility CD includes application tools, SDK, and technical document.
1 x Null modem cable
1 x Touch pen
1 x Screw kit

IOVU−570M Dimensions (Unit: mm)

213.55
128.58
20   20
24
11.5
226
151.4
75.7
45.22
90.44
40.18
15.68
125.27
140
20

Ordering Information

Part No.	Description
IOVU-751R-CE5/-R10	7", WVGA fan-less touch panel PC with RMI Alchemy AU1250 CPU, 256MB DDR2 SDRAM, LAN supports POE function and built-in Windows® CE5.0 Operating System
IOVU-751R-UX/-R10	7", WVGA fan-less touch panel PC with RMI Alchemy AU1250 CPU, 256MB DDR2 SDRAM, LAN supports POE function and built-in ARM-Linux 2.6.11 Operating System

Options

Part No.	Description
ALFPK-08	Panel mount kit
AFLWK-07	VESA 75 wall mount kit
ARM-11-RS	LCD Monitor/PPC Arm kit loading capacity from 3kg~7kg
STAND-A08-RS	LCD Monitor/PPC Stand kit for VESA 75 and support up to 5 Kg
VSTAND-A07	LCD Monitor/PPC STAND V type for VESA 75, 0~90 degree adjustable hinge and support up to 2.5 Kg
AFLP-12BMSR-U	USB Magnetic Card Reader
AFLP-BRW01-U / AFLPBRB01-U	USB Barcode Reader (White / Black)
AFLP-CDB01 / AFLP-CDW01	VFD Customer Display (Green) 5 x 7 dot matrix (Black / White)
63000-FSP0601 AD101C-RS	POWER ADAPTER, 90V-264V input and 12V/5A/60W output; PLUG ψ2.5/ψ5.5/no lock
63000-FSP0601AD101C760-RS	12V/5A DC 60W power adapter with bare wire, 90~264V AC input