



# IOVU-571N ARM-based Panel PC



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## Features

- 5.7" TFT VGA resolution with resistive touch screen
- Nuvoton W90P910CBG 200MHz processor and 128MB DDR2 SDRAM
- Default 1GB secure digital card for OS and user data/programs
- IP64 compliant front panel
- Cost-effective and high performance panel PC.

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## ARM-based Panel PC

## •RISC features?

1. Optimization hardware design.
2. Low power consumption.
3. High performance as well as low cost.
4. High reliability.

## •What is RISC?

RISC (Reduced Instruction Set Computer) chips use simpler instructions sets to achieve higher clock frequencies and process more instructions per clock cycle.

## Where to use?

Hand-held device  
Factory / Home / Building Automation  
Security monitor  
Automotive...etc.

## •Extremely durable in harsh environments!

- Small and compact form factor, no cooling fan required
- Lower power consumption
- Wide operation temperature
- Industrial, Automotive, and Mobile applications

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## RISC-based Panel PC

- IOVU series enable the great embedded flexibility for RISC-based panel PC.



- Built with a Winbond CPU, LCD display, touch screen, I/O peripherals, and pre-installed Windows® CE 5.0 or embedded Linux.

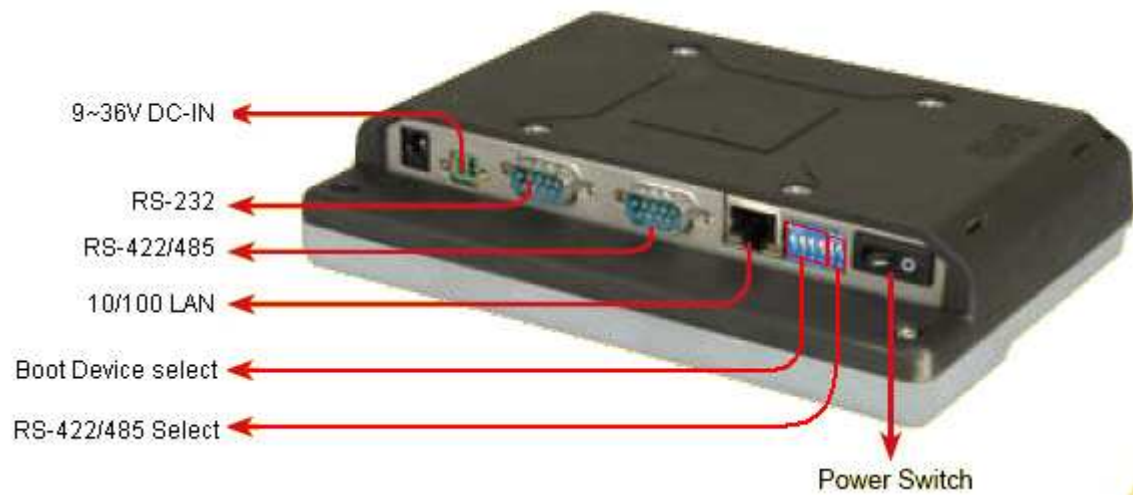


- Equipped with RISC CPU and Windows® CE embedded OS, the IOVU Series panel PCs are with high-performance computing power, fan-less design, low-power consumption, and wide-input-voltage range.



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## IOVU-571N Serial



- 2 Serial Port for RS-232/422/485
- Flexible Boot devices (Flash、SD、USB)
- Support both USB Host & Device connector
- Support CE& Linux version.

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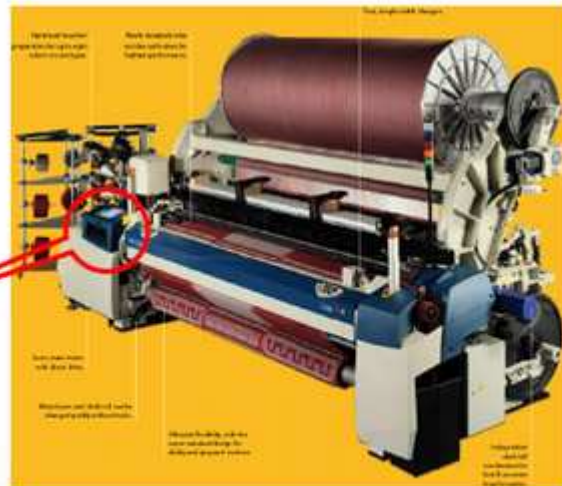
## IOVU-57N Application

**Indoor home automation Outdoor power monitoring**

### Power Monitoring, Power Demand Controller and Report Generator

### Building Automation

## Human Machine Interface



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■ IOVU software support

## SDK (software development kit)

- Attached Software Development Kit (SDK) for eMbedded Visual C++ to program Windows® CE application
- Built-in .NET Compact Framework support with related SDK
- Thin Client Technology Microsoft RDP (Remote Desktop Protocol), to enable IOVU series to access Microsoft Windows® based applications installed on Microsoft Terminal Service server.
- Attached SDK including GUI, Sample Code, and Tool chain make users program application readily,

## BSP (Board Support Package)

### Windows® CE 5.0

- Standard Windows® CE5.0 professional version license.
- Optional Board Support Package(BSP) for customers to customize their own OS image.



### Linux Kernel 2.6.x

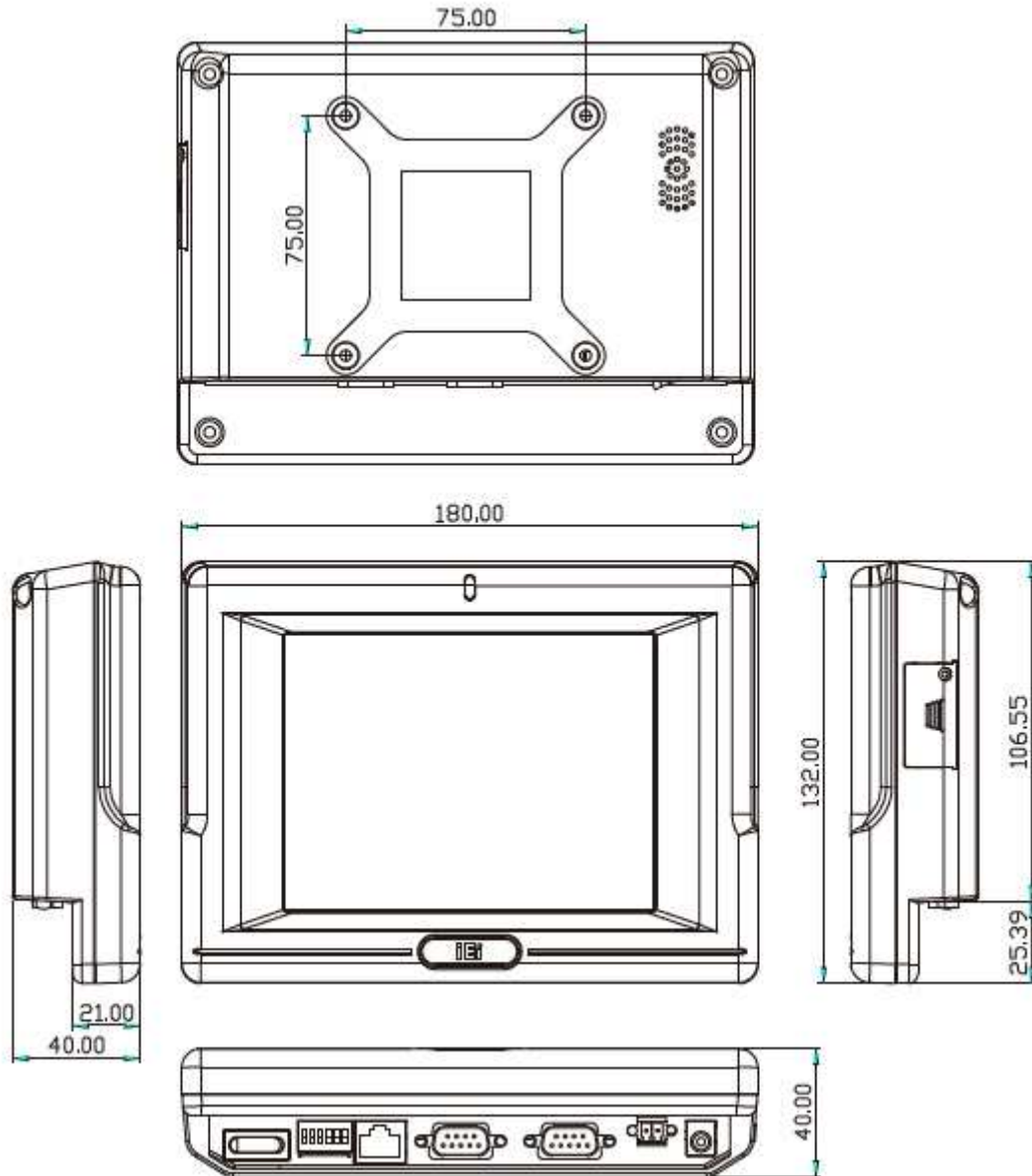
- GNU standard Embedded Linux 2,6,x bootloader and OS image including.
- Secure Shell (OpenSSH) providing 128-bit, 192-bit or 256-bit encryption between the IOVU series and another system.
- Built-in web browser and X-window system.
- Related Linux drivers for onboard peripheral I/O, network and audio.
- Optional Board Support Package (BSP) including kernel source code for customers to customize their own OS image.



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## ■ Dimensions (Unit : mm)





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## Packing List

- 1 x IOVU-571N
- 1 x Utility CD includes application tools, SDK, and technical document.
- 1 x Null modem cable
- 1 x Touch pen
- 1 x Screw kits

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## Ordering Information

Part No.	Description
IOVU-571N-CE5/-R10	5.7" VGA fan-less touch panel PC with Winbond W90P910CBG CPU, 128MB SDRAM and built-in Windows® CE5.0 Operating System

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## 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-FSP0601AD101CT60-RS	12V DC 60W power adapter with bare wire, 90~264V AC input

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