

IOVU-1000M

ARM-based Panel PC

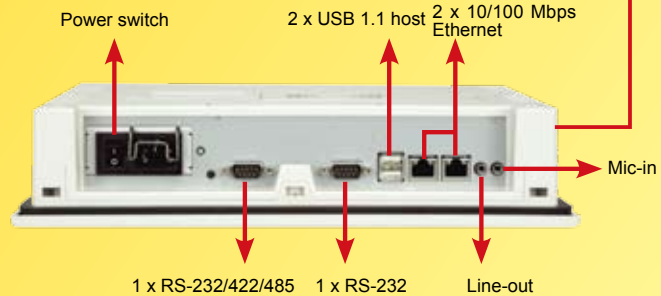
**The Whole Plane
Touch Screen and
IP65 compliant**



Preinstalled Windows® CE5.0 or ARM-Linux boot from CompactFlash card



CF card



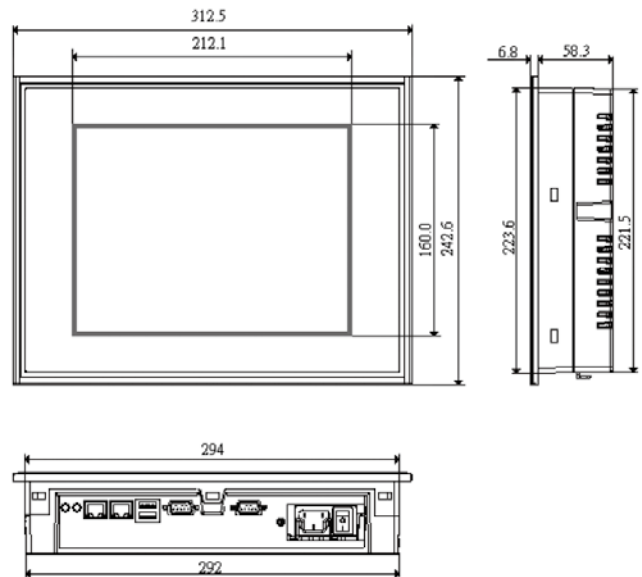
Features:

- 10.4" TFT SVGA LCD with resistive touch screen
- MARVELL XScale PXA270 520MHz processor and 128MB SDRAM
- Default 256MB CompactFlash® card for OS and user data/ programs
- IP65 compliant front panel
- Fan-less design for rigorous environments
- Preinstalled Windows® CE5.0 operating system.

Packing List

- 1 x IOVU-1000M
- 1 x Utility CD includes application tools, SDK, and technical document.
- 1 x Null modem cable
- 1 x Touch pen

Dimensions (Unit : mm)



Ordering Information

Part No.	Description
IOVU-1000M-CE5/-R12	10.4", SVGA fan-less touch panel PC with MARVELL XScale® PXA270 CPU, 128MB SDRAM, and built-in Windows® CE5.0 Operating System, power type is AC input
IOVU-1002M-CE5/-R12	10.4", SVGA fan-less touch panel PC with MARVELL XScale® PXA270 CPU, 128MB SDRAM, and built-in Windows® CE5.0 Operating System, power type is 12V DC input
IOVU-1004M-CE5/-R12	10.4", SVGA fan-less touch panel PC with MARVELL XScale® PXA270 CPU, 128MB SDRAM, and built-in Windows® CE5.0 Operating System, power type is 24V DC input

IOVU RISC-based Panel PC specifications



Model Name	IOVU-570M	IOVU-571N	IOVU-700M	IOVU-1000M	IOVU-1500M	IOVU-751R	IOVU-1051R
SYSTEM							
CPU	XScale® PXA 520 MHz	Nuvoton (Winbond) W90P910CBG 200MHz	XScale® PXA 520 MHz	XScale® PXA 520 MHz	XScale® PXA 520 MHz	Alchemy AU1250 500 MHz	Alchemy AU1250 500 MHz
Bootloader Storage	2 MB	2MB	2 MB	2 MB	2 MB	2 MB	2 MB
RAM	128 MB SDRAM	128MB DDR2	256 MB SDRAM	128 MB SDRAM	128 MB SDRAM	256 MB DDR2	128 MB DDR2
OS/Program Storage	1GB Secure Digital card	128MB NAND flash	256MB Compact Flash card	256MB Compact Flash card	256MB Compact Flash card	1GB Secure Digital card	256MB Compact Flash card
DISPLAY							
LCD Size	5.7"	5.7"	7"	10.4"	15"	7"	10.4"
LCD Color	262 K	262K	262 K	262K	262K	262 K	262K
Display Resolution	VGA	VGA	WVGA	SVGA	XGA	WVGA	SVGA
LCD Brightness (cd/m²)	400	400	400	230	350	400	230
Dot Pitch (mm)	0.06(H) x 0.18(V)	0.06(H) x 0.18(V)	0.064(H) x 0.191(V)	0.264 x 0.264	0.297 x 0.297	0.064(H) x 0.191(V)	0.264 x 0.264
Viewing Angle (H-V)	140 / 100	140/ 100	140 / 100	120 / 100	120 / 100	140 / 100	120 / 100
Backlight MTBF	25000	25000	50000	20000	50000	50000	20000
Touch Screne	Resistor Type	Resistor Type	Resistor Type	Resistor Type	Resistor Type	Resistor Type	Resistor Type
Multimedia Support	MPEG 1	MPEG 1	MPEG 1	MPEG 1	MPEG 1	MPEG 1/2/4 and WMV9	MPEG 1/2/4 and WMV9
I/O and COMMUNICATION							
I/O Interface	1 x RS-232/422/485 (software controllable) 2 x 10/100Mbps LAN 2 x USB1.1 host 1 x SD card slot 1 x Reset button 1 x On/Off power switch 1 x 2pin Terminal block power input	1 x USB2.0 host 1 x USB client 1 x SD card slot 1 x 10/100Mbps LAN 1 x RS-232 1 x RS-422/485 1 x On/Off power switch	1 x RS-422/485 (Software Controllable) 1 x RS-232 1 x 10/100Mbps LAN 1 x USB1.1 host 1 x Reset button 1 x On/Off power switch 1 x 2pin Terminal block power input 1set CAN bus	1 x RS-232/422/485 1 x RS-232 2 x 10/100Mbps LAN 2 x USB1.1 host 1 x Reset button 1 x On/Off power switch 1 x AC input (IOVU-1000M) 1 x 12V DC input (IOVU-1002M) 1 x 24V DC input (IOVU-1004M)	3 x RS-232/422/485 2 x 10/100Mbps LAN 2 x USB2.0 host 1 x Reset button 1 x On/Off power switch 8 x Digital output 1 x VGA output 1 x 2pin Terminal block power input	1 x RS-232/422/485 (Software Controllable) 1 x RS-232 2 x 10/100Mbps LAN 2 x USB2.0 host 2 x USB1.1 host 1 x Reset button 1 x On/Off power switch 1 x 2pin Terminal block power input 1 x Power jack	1 x RS-232/422/485 1 x RS-232 2 x 10/100Mbps LAN 2 x USB1.1 host 1 x Reset button 1 x On/Off power switch 1 x AC input
Audio	1.5W Speaker	1 x Line-out	1.5W Speaker	1 x Mic-in, 1 x Line-out	1 x Line-out	1.5W Speaker	1 x Mic-in, 1 x Line-out
Wireless LAN	802.11 b/g	N/A	802.11 b/g	N/A	KAMIO-WL01 optional module (802.11 b/g)	N/A	N/A
DIMENSION							
Construction Material	ABS + PC Plastic	ABS + PC Plastic	ABS + PC Plastic	ABS + PC Plastic	Aluminum	ABS + PC Plastic	ABS + PC Plastic
Net Weight (kg)	0.7	0.8	0.85	2.62	4	0.8	2.62
Front Panel Colco	Cool Gray	Cool Gray	Cool Gray	Cool Gray	Sliver	Cool Gray	Cool Gray
Dimension (W x H x D mm)	180 x 135 x 45	180 x 132 x 40	226 x 140 x 41	312.5 x 242.6 x 68	410 x 309 x 85.2	226 x 140 x 41	312.5 x 242.6 x 68
ENVIRONMENTAL / POWER							
Operating Temperature (°C)	-20°C~60°C	0°C~50°C	-20°C~60°C	0°C~50°C	0°C~50°C	-20°C~60°C	0°C~50°C
Front Panel Protection	IP64 Compliant	IP64 Compliant	IP64 Compliant	IP65 Compliant	IP65 Compliant	IP64 Compliant	IP65 Compliant
Power Mode	AT	AT	AT	AT	ATX	AT	AT
Power Requirement	12~36 V DC-IN	9~28 V DC-IN	12~36 V DC-IN	100~240 V AC-IN	9~36 V DC-IN	6~30 V DC-IN	100~240 V AC-IN
Power Consumption	6 W	6 W	10 W	13 W	24W	8.5 W	13 W
Vibration and Shock	MIL-STD-810F 1. Axes: 3 axes (Vertical / Transverse / Longitudinal) 2. 10 ~ 500Hz, 60min/axis 3. Equivalent to Z: 2.18Grms, X: 1.6Grms, Y: 1.96Grms						
Humidity	5%-90%RH	5%-90%RH	5%-90%RH	5%-90%RH	5%-90%RH	5%-90%RH	5%-90%RH

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Industrial Computing Solutions

2

Embedded Computing Solutions

3

RISC-Based Embedded Solutions

4

Industrial Data Collector/ Server Solutions

5

Video Capture Solutions

6

I/O Communication Solutions

7

Panel Solutions

8

Power Supply/ Network Communication/ Peripherals