

Industrial Intelligent Solutions

1 Introduction

Industrial Intelligent Solutions comprises four major parties which establish an elemental platform for enterprise data processing. By combining front-end data server/collector, universal data I/O communication and RISC-based data processing devices, IEI industrial intelligent solution provides an easy way to collect, transfer, process, access and manage data which is generated or inquired in various applications such as Factory Automation, Medical, Transportation management, POS, and Surveillance systems.

RISC-based Solutions : The best platform for embedded system and Panel PC

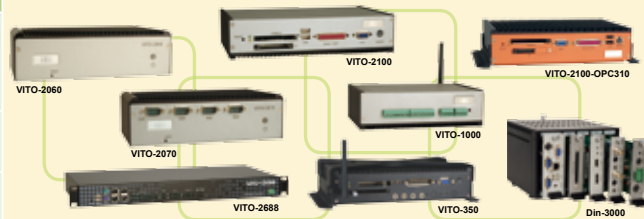
	5.7"	7"	10.4"	15"
Model Name	IOVU-570M IOVU-571N	IOVU-700M IOVU-751R	IOVU-1000M IOVU-1051R	IOVU-1500M
CPU	Xscale® PXA 520MHz Winbond Nuvoton 200MHz	Xscale® PXA 520MHz Alchemy AU1250 500MHz	Xscale® PXA 520MHz Alchemy AU1250 500MHz	Xscale® PXA 520MHz Alchemy AU1250 500MHz
Memory	128MB	256MB	128MB	128MB
Feature	1. Compact form factor 2. Built-in WiFi 802.11b/g function	1. PoE available 2. MPEG 1/2/4 support 3. Built-in WiFi 802.11b/g function	1. The whole plane touch panel PC 2. Hardware decode MPEG 1/2/4, WMV9	1. Large display 2. Built-in digital input/ output function 3. Dual display function



	MIPS-based	ARM-based
Model Name	KAMIO-1251	KAMIO-2701A/2702A KAMIO-2703 KAMIO-CB01A
CPU	Alchemy AU1250 500MHz	Xscale PXA270 520MHz
Feature	Hardware decode MPEG 1/2/4, WMV9	1. 802.11b/g available 2. CF/SD card expandable 3. Wide temperature tolerance

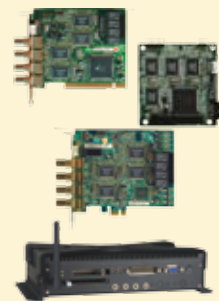
Data Collector Solutions : The best platform for PC-based server/data collector

	Intel® ULV Solution	AMD® solution	Marvell
Model name	VITO-2100 Series VITO-2688 VITO-2100-OPC310 Din-3000	VITO-2060 Series VITO-2070 Series	VITO-1000
CPU	Intel® Celeron® M	AMD LX800 AMD GX466	PXA270
Feature	1. PC-based Server/Controller 2. Easy to extend 3. Multi-port Server/Controller 4. High performance class	1. PC-based controller 2. Easy to extend 3. Multi-port controller 4. Affordable class	1. Easy to extend 2. Risc-based multi-port controller



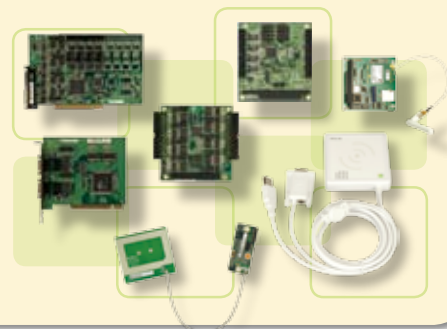
Video Capture Solutions : The best platform for video/audio data capture

	Card Solution			Box Solution
	Software Compression	MPEG4 Hardware	Software Compression	
Video Capture Controller	Techwell TW6805	Conexant BT878A	Pentamicro/WIS	Techwell TW6805
Model Name	IVC-168G/268G IVCE-268G PM-6814/6844	IVC-100G-RS/200G-RS IVCE-8784 PM-1056	IVC-8371P IVC-368G-4CH PM-1059	VITO-350
Feature	1. Best Video Quality 2. Best fit in non-ideal signal 3. Low power consumption 4. Video/Audio Capture 5. No thermal 6. 7 fps DVR switch speed	1. Max Resolution degrees 2. Small video file size available 3. Most economic	1. CPU resource saving 2. Digital Watermark Security 3. DB25 connector available	1. Support 4-16 Video channels 2. Fanless architecture 3. Storage expendable 4. Direct image processing



I/O Communication Solutions : The best platform for diverse data communication

	RS232	CAN	DI/DO	RF
Model Name	PMS-400/400L/800/1200 PM-1004/1028-4/1028-8 PM-2004/2008	IPCI-1680 PM-1680	PM-3001/3002/3003/3004	PM-3008 (GSM/GPRS) IRFR-100 (HF RFID) IRFD-100 (HF RFID)
Communication interface	PCI/PCI-104	PCI/ PCI-104 PC/104	PCI/104	PC/104 USB Client (IRFR-100/IRFD-100)
RS-232/422/485	4/8/12 Com Ports	N/A	N/A	N/A
CAN bus Ports	N/A	2 ports	2 ports (PM-3001/3004)	N/A
"Digital Input Digital Output"	N/A	N/A	8/16 Digital Input 8/16 Digital Output	N/A



1

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