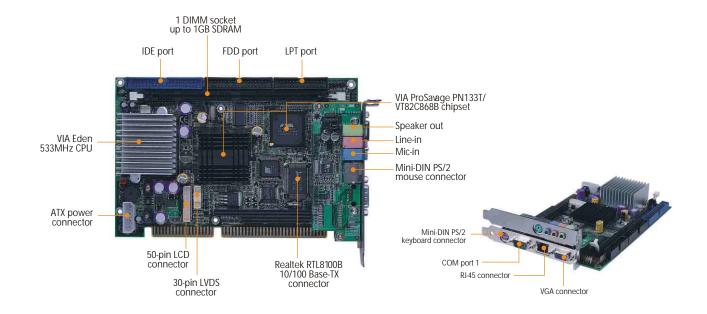
IAC-H671A

Half-size VIA Eden SBC with VGA/LAN/LCD/Sound & low power CPU



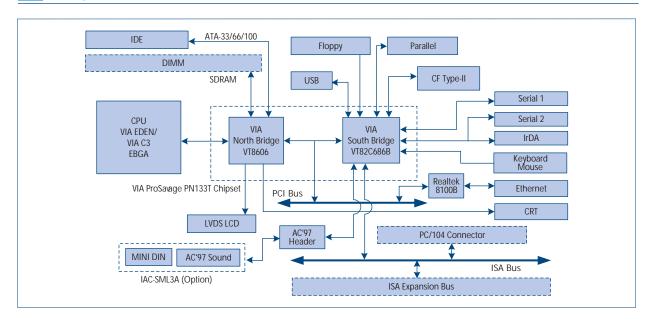
FEATURES

On-board VIA Eden[™] low power CPU VIA ProSavage PN133T, VT82C868B One DIMM socket, support up to 1GB SDRAM Integrated S3 graphics prosavage 4X AGP VGA, shared System memory 8/16/32MB

On-board Realtek 8100B 10/100 Base-TX Ethernet Controller

One CompactFlash socket, support ATA mode Type II PC/104 & ISA expansion bus

DIAGRAM



IAC-H671A

Half-size VIA Eden SBC with VGA/LAN/LCD/Sound & low power CPU

SPECIFICATION

Chipset VIA ProSauge PN13T(Twister-T), VT82C686B BIOS AMI® licensed BIOS System Memory 1 x 168-pin DIMM socket, support up to 1GB SDRAM VGA Controller Integrated S3 Graphics prosauge4™ ACP 4X graphics, support for 36bit TFT/DSTN, Dual Channel LVDS, and CRT, shared system memory up to 8/16/32 MB Ethernet Realtek RTL8100B 10/100 Base-TX Audio/Sound AC 97 2.0; Reserved 8x2 2.0mm pin header for SML3A module Flash Memory Disk CompactFlash Type-II socket IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 1 FDD port, support up to 2 devices Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with LI battery Watchdog Timer 16-level time-out intervals by software progam Power Consumption +5№3.7A(512MB SDRAM) Hardware Monitor Enhanced Hardware monitoring function Operating Temperature -20°C ~ 70°C □		***		
BIOS System Memory 1 x 168-pin DIMM socket, support up to 1GB SDRAM VGA Controller Integrated S3 Gaphics prosaage4™ AGP 4X graphics, support for 36bit TFT/DSTN, Dual Channel LVDS, and CRT, shared system memory up to 8/16/32 MB Ethernet Realtek RTL8100B 10/100 Base-TX Audio/Sound AC'97 2.0; Reserved 8x2 2.0mm pin header for SML3A module Flash Memory Disk CompactFlash Type-II socket IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 1 FDD port, support up to 2 devices Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector Keyboard / Mouse Connector Fower Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out internals by software progam Power Consumption +5V@3,7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function O'C - 60°C □ Storage Temperature -20°C ~ 70°C □	0, 0	VIA Eden [™] 533MHz processor		
System Memory I x 168-pin DIMM socket, support up to 1GB SDRAM VGA Controller Integrated S3 Gaphics prosavage4™ AGP 4X graphics, support for 36bit TFT/DSTN, Dual Channel LVDS, and CRT, shared system memory up to 8/16/32 MB Ethernet Realtek RTL8100B 10/100 Base-TX Audio/Sound AC°7 2.0: Reserved 8x2 2.0mm pin header for SML3A module Flash Memory Disk IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 1 FDD port, support up to 2 devices Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector Keyboard / Mouse Connector Fower Connector AP power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Characterist Aspertations 1-20°C ~ 70°C □ Storage Temperature 1-20°C ~ 70°C □ Storage Temperature				
Integrated S3 Gaphics prosaage4 [™] AGP 4X graphics, support for 36bit TFT/DSTN, Dual Channel LVDS, and CRT, shared system memory up to 8/16/32 MB Ethernet Realtek RTL8100B 10/100 Base-TX Audio/Sound AC'97 2.0; Reserved 8x2 2.0mm pin header for SML3A module Flash Memory Disk CompactFlash Type-II socket IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature -20°C ~ 70°C □ Storage Temperature -20°C ~ 70°C □	BIOS	7.001 10011000 2100		
LVDS, and CRT, shared system memory up to 8/16/32 MB Ethernet Realtek RTIL8100B 10/100 Base-TX Audio/Sound AC'97 20; Reserved 8x2 2.0mm pin header for SML3A module Flash Memory Disk CompactFlash Type-II socket IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 1 FDD port, support up to 2 devices Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 4-p power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature -20°C ~ 70°C □ Storage Temperature -20°C ~ 70°C □	System Memory			
Ethernet Realtek RTL8100B 10/100 Base-TX Audio/Sound AC'97 2.0; Reserved 8x2 2.0mm pin header for SML3A module Flash Memory Disk CompactFlash Type-II socket IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 1 FDD port, support up to 2 devices Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Coperating Temperature 0°C ~ 60°C Storage Temperature -20°C ~ 70°C	VGA Controller	Integrated S3 Graphics prosavage4 [™] AGP 4X graphics, support for 36bit TFT/DSTN, Dual Channel		
Audio/Sound AC'97 2.0; Reserved 8x2 2.0mm pin header for SML3A module Flash Memory Disk CompactFlash Type-II socket IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 1 FDD port, support up to 2 devices Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector Keyboard / Mouse Connector Fower Connector Fower Connector Value Conne		LVDS, and CRT, shared system memory up to 8/16/32 MB		
Flash Memory Disk IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 1 FDD port, support up to 2 devices Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector Keyboard / Mouse Connector Fower Connector Ap power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Operating Temperature O°C ~ 60°C Storage Temperature -20°C ~ 70°C Storage Temperature	Ethernet	Realtek RTL8100B 10/100 Base-TX		
IDE Interface 1 IDE port, support up to two devices and Ultra ATA 33/66/100 Floppy Drive Interface 1 FDD port, support up to 2 devices Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector Keyboard / Mouse Connector Fower Connector 4 power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Operating Temperature 1 IDE port, support up to two devices and Ultra ATA 33/66/100 1 FDD port, support up to 2 devices 2 COM ports, 1 x RS-232/422/485 2 COM ports in the Security Secur	Audio/Sound	AC'97 2.0; Reserved 8x2 2.0mm pin header for SML3A module		
Floppy Drive Interface Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector Keyboard / Mouse Connector Fower Connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Operating Temperature 10 C C - 60°C Storage Temperature 1 Storage Temperature	Flash Memory Disk	CompactFlash Type-II socket		
Serial Port 2 COM ports, 1 x RS-232 and 1 x RS-232/422/485 Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector Keyboard / Mouse Connector Fopin keyboard header 6 pin Mini-DIN PS/2 keyboard/mouse connector Fower Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Coperating Temperature O°C ~ 60°C Storage Temperature 20°C ~ 70°C Storage Temperature	IDE Interface	1 IDE port, support up to two devices and Ultra ATA 33/66/100		
Parallel Port 1 multi-mode parallel port (SPP/EPP/ECP) Bus Interface PC-104 & ISA expansion bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Operating Temperature 0°C ~ 60°C Storage Temperature -20°C ~ 70°C	Floppy Drive Interface	1 FDD port, support up to 2 devices		
Bus Interface PC-104 & ISA expansion bus Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature 0°C ~ 60°C Storage Temperature -20°C ~ 70°C Stor	Serial Port	2 COM ports, 1 x RS-232 and 1 x RS-232/422/485		
Universal Serial Bus 1 pin header for 2 USB ports (USB 1.1 compliant) IR Interface Support 1 IrDA header Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Operating Temperature 0°C ~ 60°C Storage Temperature -20°C ~ 70°C	Parallel Port	1 multi-mode parallel port (SPP/EPP/ECP)		
IR Interface Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Coperating Temperature 0°C ~ 60°C □ Storage Temperature Storage Temperature	Bus Interface	PC-104 & ISA expansion bus		
Digital I/O 4-bit digital input/ 4-bit digital output Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature 0°C ~ 60°C □ Storage Temperature -20°C ~ 70°C □	Universal Serial Bus	1 pin header for 2 USB ports (USB 1.1 compliant)		
Keyboard Connector 5-pin keyboard header Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature 0°C ~ 60°C □ Storage Temperature -20°C ~ 70°C □	IR Interface	Support 1 IrDA header		
Keyboard / Mouse Connector 6 pin Mini-DIN PS/2 keyboard/mouse connector Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature 0°C ~ 60°C □ Storage Temperature -20°C ~ 70°C □	Digital I/O	4-bit digital input/ 4-bit digital output		
Power Connector 4P power connector, Single power +5V only RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Coperating Temperature 0°C ~ 60°C Storage Temperature 4P power connector, Single power +5V only Internal RTC with Li battery 16-level time-out intervals by software program +5V@3.7A(512MB SDRAM) Enhanced hardware monitoring function Operating Temperature -20°C ~ 70°C	Keyboard Connector			
RTC Internal RTC with Li battery Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature 0°C ~ 60°C Storage Temperature -20°C ~ 70°C Storage Temperature -20°C ~ 70°C	Keyboard / Mouse Connector	6 pin Mini-DIN PS/2 keyboard/mouse connector		
Watchdog Timer 16-level time-out intervals by software program Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature 0°C ~ 60°C □ Storage Temperature -20°C ~ 70°C □	Power Connector	4P power connector, Single power +5V only		
Power Consumption +5V@3.7A(512MB SDRAM) Hardware Monitor Enhanced hardware monitoring function Operating Temperature 0°C ~ 60°C □ Storage Temperature -20°C ~ 70°C □	RTC	Internal RTC with Li battery		
Hardware MonitorEnhanced hardware monitoring functionOperating Temperature 0° C $\sim 60^{\circ}$ C \square Storage Temperature -20° C $\sim 70^{\circ}$ C \square	Watchdog Timer	16-level time-out intervals by software program		
Hardware MonitorEnhanced hardware monitoring functionOperating Temperature 0° C $\sim 60^{\circ}$ C \square Storage Temperature -20° C $\sim 70^{\circ}$ C \square	Power Consumption			
Operating Temperature $0^{\circ}\text{C} \sim 60^{\circ}\text{C}$ Storage Temperature $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$		Enhanced hardware monitoring function		
	Operating Temperature			
		-20°C ~ 70°C □		
Humidity 5% ~ 95% kH, non-condensing	Humidity	5% ~ 95% RH, non-condensing		
Dimensions 185 x 122 mm (7 1/4" x 4 5/6")	,			
Net Weight 250g (0.55 pounds)	Net Weight	250g (0.55 pounds)		

ORDERING INFORMATION

IAC-H671A	VGA/LCD/LAN/Low power VIA Eden [™] 533MHz CPU	
IAC-H671B	VGA/LCD/LAN/VIA C3 800MHz CPU (with DC 5V FAN cooling FAN)	

OPTIONAL

0.00	Item	Part Number
	SML3A module for IAC-H671	S01SML3A00210