

NASA-6820VLA

- 3.5" Mini embedded board
- Low Power fan-free 533~667Mhz CPU on board
- Chipset : VIA Twister-T (VT6806 and 686B)
- 1 x SO-DIMM memory support up to 512MB
- Support VGA / LVDS / LAN with 32MB VRAM
- Support LVDS LCD and CRT VGA interface
- Fast Ethernet 100 / 10 Mbps
- Audio - Microphone, Speaker, Line-in
- Compact Flash Socket on board
- 4 x COM ports (1x RS232 + 1x RS232/422/485)
- 2 x USB and 1 x IrDA
- DIO : 8 x Digital Inputs & 8x Digital Outputs
- PC104 socket connector+5V & +12V power connector



Low Power 533~667MHz SBC with VGA / LVDS LCD LAN / 4x COM / 2x USB / Audio / DIO / CF

General specifications

<p>CPU Embedded Low Power Fan-free 533~667 Mhz CPU</p> <p>Front Side Bus (FSB) : 133 FSB Supports FSB 133 / 100</p> <p>Chipset, System – VIA Twister-T VIA VT8606 and 686B chipset</p> <p>BIOS Award BIOS, 256KB (Flash) EPROM</p> <p>SDRAM Memory - up to 768MB 1 x 144-pin SO-DIMM support up to 512MB</p> <p>VGA Display Controller Chipset S3 Savage 4 support LVDS LCD, CRT display with shared 32MB VRAM</p> <p>LCD – TTL type TFT LCD interface Support LVDS LCD flat panels</p> <p>Display Type CRT (VGA, SVGA, XGA) & LCD</p> <p>Ethernet : 100/10 Base-T Chipset Dual Realtek 8139C+ newest Ethernet chip support fast Ethernet 100/10 Mbps auto-negotiation,.</p> <p>Audio Kit - optional AC 97 audio codec support Microphone, Speaker, Line-in</p>	<p>DIO : 16 x TTL DIO 8 x Digital inputs and 8 x Digital outputs</p> <p>Serial (COM) port - 4 x COM 4 x COMs (3x RS232 + 1x RS485/422/232)</p> <p>USB - 2 x USB Two USB ports, version 1.1</p> <p>IrDA port Support 1 x IrDA infra-red remote port</p> <p>Disk On Module Support DOM up to 512MB</p> <p>High Speed Multi I/O PC104 interface 1 X PC-104 slot</p> <p>PCI interface High-density 100-pin PCI interface for expansion purpose</p> <p>Enhanced IDE with Ultra DMA supports 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 33 MB/sec</p> <p>LPT Parallel Port : 1 x LPT port support SPP, EPP and ECP mode.</p> <p>Floppy Disk Drive Interface Support 2 floppy disk drives, 5" (360 KB or 1.2 MB) and 3½" (720 KB, 1.44 MB) or LS-120 Drive external PS/2 KB / Mouse port (2-in1 mini DIN)</p>	<p>Watchdog Timer Software programmable watchdog timer supported</p> <p>Real-time Clock built-in super I/O with lithium battery backup for 10 years of data retention. CMOS data backup of BIOS setup and default.</p> <p>Environmental and Power Power Connector +5V & +12V by 4-pin power connector</p> <p>Board Dimensions 3.5" Mini board size 102mm x 145mm</p> <p>Board Weight 0.35 Kg.</p> <p>Operating Temperature 0 to 60C (32 to 140 degree F)</p> <p>■ Ordering Information NASA-6820VLA-667 With Low Power 533~667Mhz Fan-free CPU, VGA , LVDS LCD, LAN, 16 x DIO, CF socket, 4xCOM, 2x USB</p>
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