



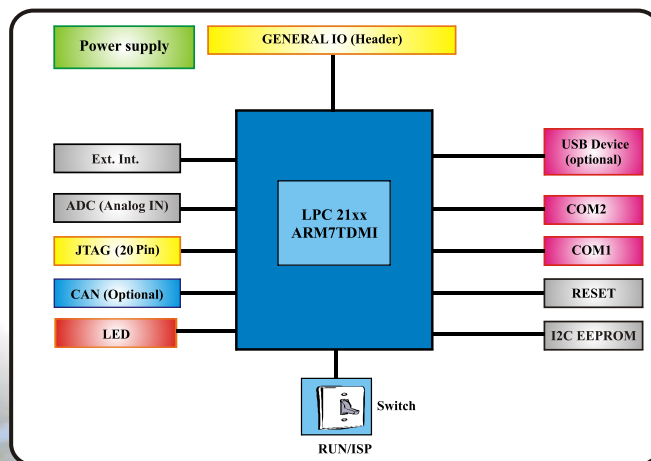
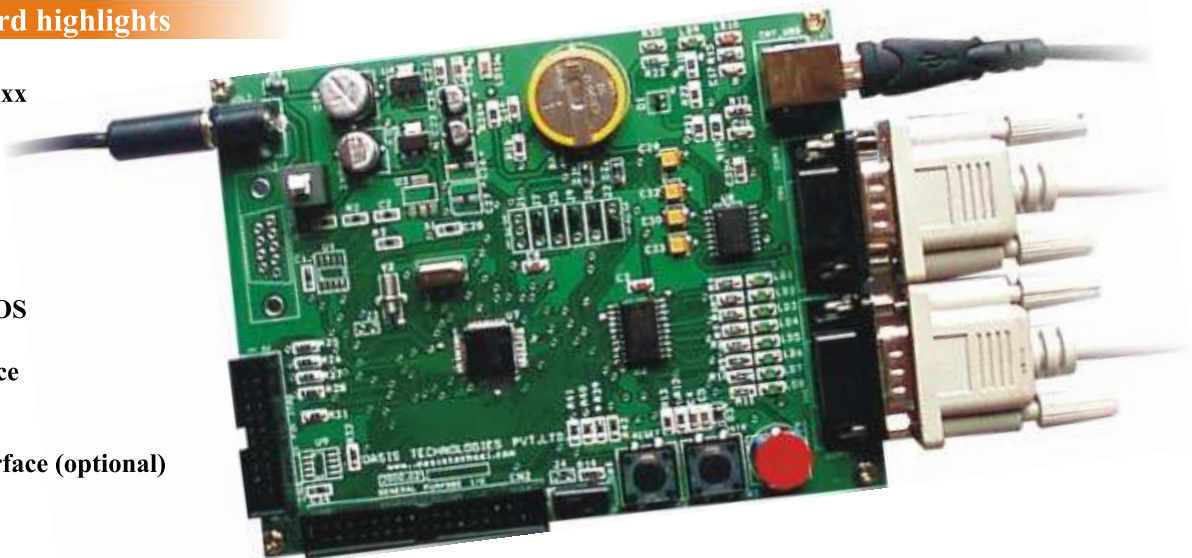
Voyager

ARM7 Single board computer

Voyager is an ARM7 reference platform supported with limited on-board integrated peripherals. Its compact size and the GPIO headers enable it to get seamlessly integrated with any target platform which requires ARM7 based computing environment.

Voyager board highlights

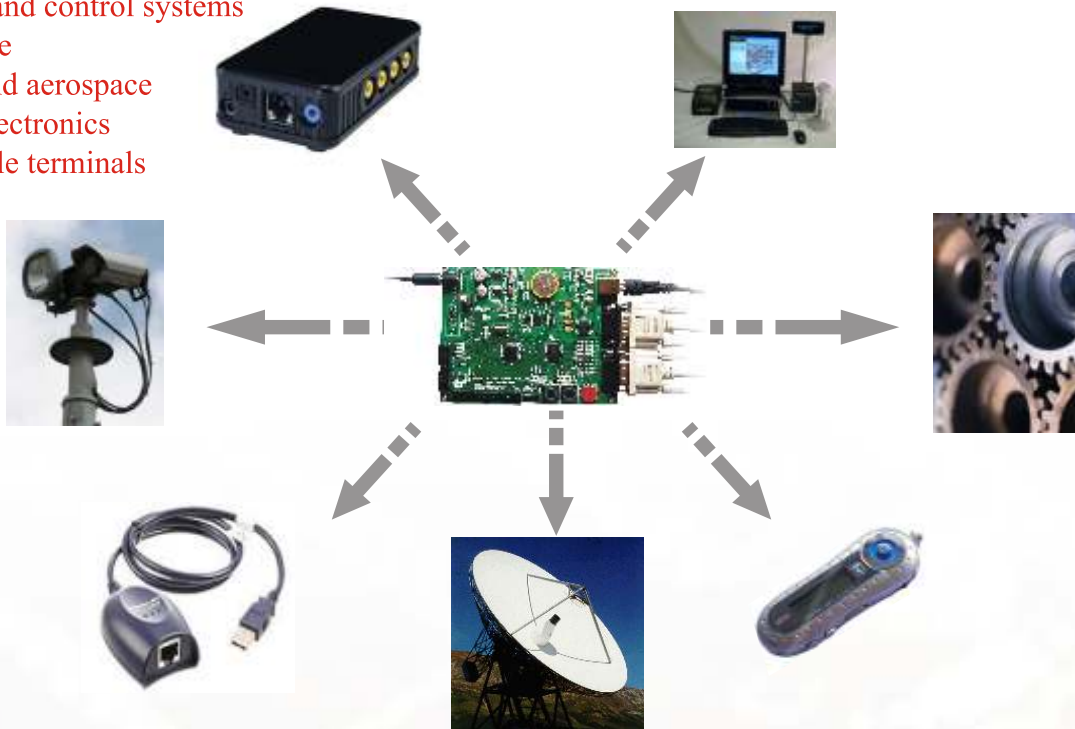
- NXP (Philips) LPC21xx Micro controller
- 256/512Kbytes Flash
- 16/ 32Kbytes SRAM
- Supports Real Time OS
- Full Speed USB Device interface (optional)
- CAN Controller interface (optional)
- GPIO Headers
- JTAG Header
- RS232 based serial ports





Voyager board applications domains

- Industrial and control systems
- Automotive
- Military and aerospace
- Medical electronics
- Point of sale terminals



Why Voyager Board?

When there are so many embedded development platforms, why should you choose Voyager? Following is a list of features, that is unique to our board and by which you will greatly benefit.

Compact ARM7 reference platform

Voyager board is specifically designed for individuals who wish to integrate ARM7 computing environment in their target platform.

Low cost with high efficiency

Voyager board offers a unique combination of low cost and high efficiency. This allows the user to explore the ARM7 processor capabilities while strictly adhering to a constrained budget.

Intuitive Development Environment

The board is supplemented with Triton IDE Starter Edition from Oasis Technologies. Triton IDE combines the features of project management, code compilation, source code editing, program debugging, program downloading to target and so on.

The Triton development platform is easy-to-use and it helps you to expedite your embedded software development process.

Comprehensive user documentation

The user guide offers clarification where and when you need it, right from the point of where you get started, upto the installations that are required for you to develop embedded applications. The documentation includes various sample programs that bring out the capabilities of the Voyager board.

Voyager board specifications:

Processor	ARM7TDMI
Flash	256/ 512 KBytes
SRAM	16/ 32 Kbytes
Serial	2 X Rs232 based serial interface
Expansion	1 X 34 Pin header
Dimension	130mm X 100mm
Temperature	0 °C/70°C

Voyager board kit contents:

1.Hardware:

- Oasis Voyager board.
- Power supply adaptor(SMPS)
- 9-pin D-shell serial cable
- USB cable (optional)

2.Software & documentation (CD-ROM contents)

- Triton IDE (Integrated Development Environment) Starter Edition
- Triton IDE Installation guide
- Sample code for ARM & RTOS programming.
- Documentation including data sheets and the ARM user manual.
- Voyager board User Manual

Voyager board features:

- NXP (Philips) LPC21XX, ARM7 based 32 bit micro-controller
- On board external clock frequency 12 Mhz
- On Board ADC pot for simulation Analog signal
- Expansion header for GPIO to interface external circuits
- Expansion header for SPI and I2C bus.
- Expansion header for External interrupt
- Debugging header with JTAG interface(20 Pin)
- 8 User programmable LEDs
- Push button switch, which can be used for simulating an external interrupt.
- Push button switch, which can be used for Reset.
- Slide switch to select ISP/ RUN mode.
- UART for programming and debugging
- Push to ON switch for Board Power ON/OFF
- CAN Bus interface (optional)
- USB Device (optional)

Voyager board variants

In order to bring out the features of flexibility, in the process of embedded development and at the same time keeping in mind the cost effectiveness of the solution, the Voyager board comes in various flavors. The supported variants are listed below.

Sr. No.	Variants	Unique Features
1	Voyager - BX NXP (Philips)LPC2138	512KBytes Flash, 32Kbytes SRAM, USB Device, ADC, DAC, RTC, RTOS (uCOS, Free RTOS)
2	Voyager - CX NXP (Philips)LPC2148	512KBytes Flash, 32Kbytes SRAM, ADC, DAC, RTC, RTOS (uCOS, Free RTOS)
3	Voyager - DX NXP (Philips)LPC2129	256KBytes Flash, 16Kbytes SRAM, CAN, ADC, RTOS (uCOS)



Oasis Technologies Pvt. Ltd
203/204, Eden hall, Gokhale cross road
Model colony, ShivajiNagar, Pune, India (411016)
Ph: +91-2064000203, Fax: +91-2025661715
Email : sales@oasistechnol.com
Website : www.oasistechnol.com

Oasis Technologies Pvt. Ltd. is a leading provider of embedded technology solutions. Our mission is to provide quality and cost effective embedded systems solutions which helps our customers to expedite their design and development process and reduces time to market.