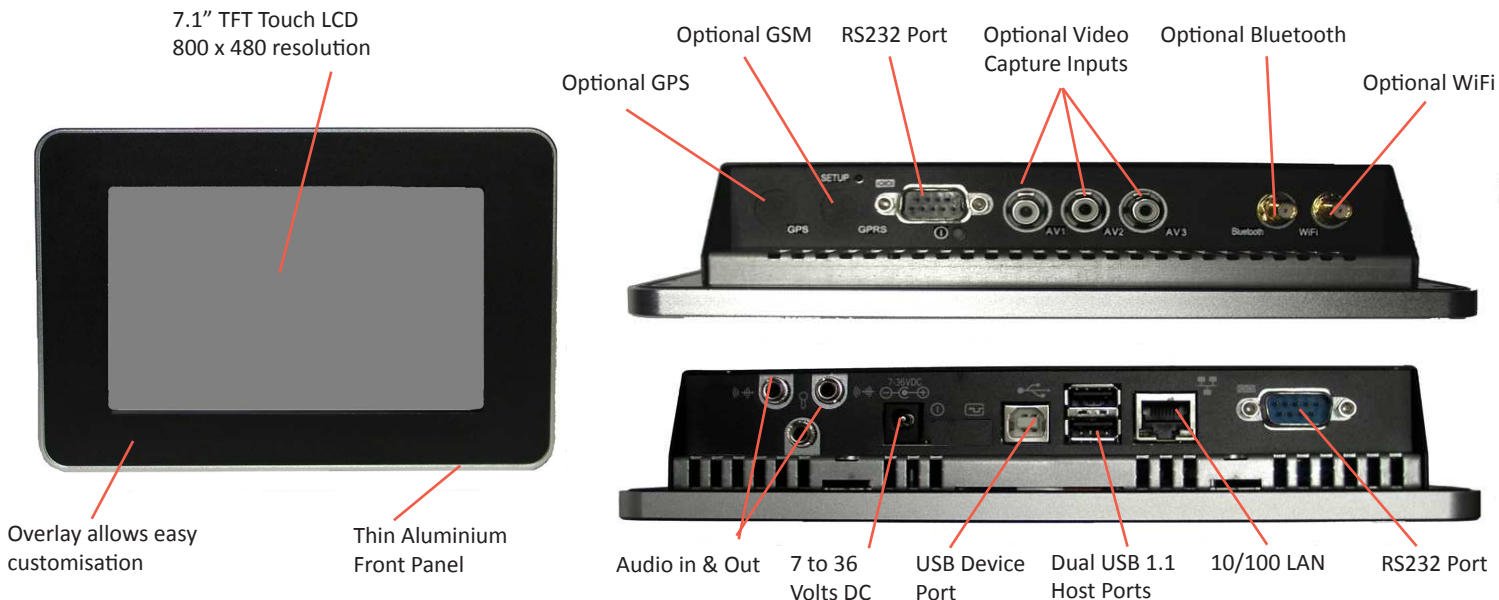


ALPHA 711

7.1" LCD Computer Module
PRODUCT INFORMATION



ALPHA 711 - For the Engineers



ALPHA 711 - The Headlines

- ▶ 7.1" TFT touch screen LCD with 800 x 480 Resolution
- ▶ Low power consumption
- ▶ Attractive but rugged machined aluminium front panel
- ▶ Front panel overlay allows customisation at low cost
- ▶ Fanless cooling so high reliability and quiet operation
- ▶ Wide input power range from 7 to 36 volts DC simplifies installation and reduces cost
- ▶ Available with Microsoft Windows CE 6.0 R3 or Linux Operating Systems
- ▶ Customisable splash screen allows easy branding (CE)
- ▶ Powerful onboard configuration tools (CE)
- ▶ Mounting options include Dry Wall, Panel & VESA
- ▶ 500MHz RISC Processor
- ▶ 64MB SDRAM memory, 32MB Flash, MicroSD Socket
- ▶ 10/100 Mbit LAN
- ▶ Dual external USB 1.1 Host Ports, Dual internal USB 1.1 Host Ports, single external USB Device Port
- ▶ Single external RS232 Serial Port, single internal RS232 Serial Port, optional RS422/485 Serial Port
- ▶ Audio Line In and Out
- ▶ 12 General purpose IO signals
- ▶ Real Time Clock with separate battery
- ▶ Designed, Manufactured and Technically supported in the UK

ALPHA 711 - In a few words

Designed and manufactured at Blue Chip Technology's facility in the heart of the UK the Alpha 711 is a reliable compact solution to a wide range of touch screen applications. Consuming less than 5 watts the Alpha 711 delivers an impressive array of technology in a very compact unit. The machined aluminium front panel now only conveys quality but also is extremely rugged which allows a wide range of mounting options.

The Alpha 711 can be supplied with either Microsoft Windows CE or Linux operating systems and is the ideal platform to swiftly develop your new touch screen application.

If your installation requires a low cost, compact, touch screen platform with great support and reliability - the Alpha 711 is the answer.



BS EN ISO 9001
Certificate No 33069

ALPHA 711

7.1" LCD Computer Module PRODUCT INFORMATION



Processors & Memory

Processors

Device	MIPS RISC
CPU Cores	1
Socket	NA
Data Width	32 bit

Memory

Technology	SDRAM
Speed	
Channel Width	32bits
Capacities	64MB

Display

- ▶ Resolutions 800 x 480 pixels
- ▶ Technology a-Si TFT
- ▶ Touch Screen 4 wire Resistive
- ▶ Active Area (W x H) 152.4 x 91.44mm
- ▶ Pixel Size (W x H) 0.1905 x 0.1905 mm
- ▶ Colour Depth 18 bit
- ▶ Interface 18 bit RGB
- ▶ Viewing Direction 6 o'clock
- ▶ Surface Hardness 3H
- ▶ Input Mode Stylus or Finger
- ▶ Operating Force 80g
- ▶ Contrast Ratio 1000 typical
- ▶ Brightness 400 cd/m²

Communications

- ▶ 10/100 Mbit LAN
- ▶ Two USB 1.1 external Host Ports, Two USB 1.1 internal Host Ports
- ▶ Single USB external Device Host Port
- ▶ Two RS232 ports, one RS422/485 port
- ▶ Single IrDA receiver on Internal header

Storage

- ▶ Onboard 32MB XOR Flash
- ▶ MicroSD Socket - HC compatible (up to 32GB)

Expansion and General Interfacing

- ▶ 12 General Purpose IO signals - internal
- ▶ 8 bit PC104 style expansion bus - internal

Operating System Support *

- ▶ Microsoft Windows CE 6.0 R3
- ▶ Linux

Environmental/Mechanical

- ▶ Operating Temperatures
Standard 0°C to 50°C
- ▶ Humidity 10% to 85% non-condensing
- ▶ EMC Emissions EN55022 (A)
- ▶ Immunity EN55024
- ▶ Safety EN60950

Power

- ▶ Input Voltage 7 to 36 Volts DC
- ▶ Power Consumption Less than 5 Watts

