BE220C
Display Embedded System

IP66 for Front Bezel

Features

- 400MHz 32 bit RISC architecture ARM926EJ CPU core
- 2GB NAND Flash, 64MB DDRII DRAM
- WINCE 5.0 PRO OS
- LCD controller support 16-bit color 7" TFT
- On-board 10/100Mbps high performance Ethernet with RJ45
- 1xHost USB, 1xDevice USB
- 1xisolated RS485/422
- 3xRS232
- Audio codec with dual-channel amplifier
- 6xChannels ADC and one 4-wire touch panel
- 12 programmable IO
- 9V~28V DC requirement
- Dimension (WxHxD): 190x125x38mm
- Front Bezel

ARM 926	64	7"			USB 2.0	RS-232	RS-485	RS-422	GPIO			SD		9V~28V	-20°C~70°C	IP66

Hardware Specifications

Processor
32 bit RISC architecture ARM926EJ RISC CPU core
64-way associative cache with I-cache (16KB) and D-cache (16KB)
400MHz CPU clock

OS Memory
WINCE 5.0 with 2GB NAND Flash memory

System Memory
16bit 64MB 133MHz DDRII memory

SD/MMC Card Socket
Support SD/MMC host interface
Compatible with SD memory protocol and SD media card protocol

Serial Port
Support 2x3-wired DMA-based operation UART
1xRS485/422 isolated communication port

USB Ports
Support 1xUSB host compatible with USB 1.1
Support 1xUSB device compatible USB 2.0

Audio Codec
Software programmable volume control and mute control
Dual channels 2 watts speaker output

GPIO
Support 12xinterrupt-based IO sharing with Keyboard interface

Key Pads Interface (Shared with GPIO)
Support 12 Interrupt-based IO

ADC (optional)
Support 6xchannel 12-bit high speed A/D converter

Touch Panel Interface
Support 4-wire resistive type touch panel interface

Display
Support 262k color TFT at 16bpp mode with 800x480 resolution
With LED Backlight

Ethernet Controller
High performance 16-bit 10/100 Ethernet controller fully compliant with IEEE 802.3/802.3u standards
RJ45 connector with active and link LED indicators

WLAN Module (optional)
Support WLAN module compliant with IEEE 802.11b/g
Operating on 2.4GHz ISM radio band
Wi-Fi compliant

Power Requirement
DC9V~28V power requirement with short circuit protection

Operating Temperature
TFT -20°C ~ 70°C   T/P -20°C ~ 70°C

Front bezel compliant with IP66

BOLYMIN, INC.