IPACK P-402

RS232 Gateway to Ethernet Access

The RS232 Gateway Module IPACK P-402, dedicated component for IP access, developed by the Spanish company IPLógiKa is hardware platform for the Ethernet access based on an embedded microprocessor.

IPACK P-402 fulfills the customer´s application along all the needed levels: physics and logics for Ethernet connection doing easy the integration in the Host equipment.

It communicates with customer´s application in a flexible and friendship way by a UART channel to the external world, IPACK P-402 offers several modes of functions:

a) TCP
- AT Modem Mode, through high level commands, type AT, it communicates with a remote control unit at the other side of the Network.
- Web Server Mode, shows in the PC of the remote control a web page with capability to write and/or read up to 29 variables.
- Dedicated Port Mode, transparent communication by serial channel con Server Mode and Client Mode.

b) UDP
- Transmission and reception of UDP Datagrams.

c) SMTP
- Emails Sending

IPACK P-402 is designed to facilitate the compliant of EMI recommendations, in a design with small space and in low consumption technologies, supporting 5VDC.

IPACK P-402 is the easiest and most comfortable way to use the power of TCP/IP protocol to:

- Easy implementation of web servers
- Remote Maintenance and Upgrades
- Implementation of Control Applications, distributed along the network.

Saving in developing costs and in resources, not involved in the hard core of the customer´s business; with not expensive prices, even from small quantities, using small size, easily integrable and with the technical IPLógiKa´s support

TECHNICAL DESCRIPTION:

1. *Easy Ethernet connection at 10/Base-T.*
2. *RJ45 connector on board with EMI protection and indicating led diode.*
3. *Integration with customer´s board in high level through AT commands.*
4. *Technical support in integration phase.*
5. *UART Communications.*
6. *Small size*

ECONOMIC BENEFITS

1. *Use of the stack TCP/IP, without licensees, supporting: HTTP, TFTP, DHCP, socket-level UDP, TCP.*
2. *Full TCP/IP access, saving developing costs*
3. *Full solution, in low cost.*

APPLICATIONS

1. *Web pages servers with possible applications in:*
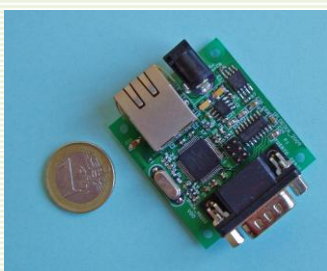
Domotic

Industrial Automatic Systems

Remote control

Test Equipments

Non attended Machines

Sales Points

Medical Equipments

Basic Specification Table

Microprocessor	PIC18F67J60
Ethernet Port	10Base-T; RJ-45; Led
Communication Ports	RS 232 with AT Commands or Dedicated Port
Connection to host board	DB9 Male Connector (RS232)
Estimated Consumption	5,0VDC@160mA typical; in connection Mode
Size	50x45 mm