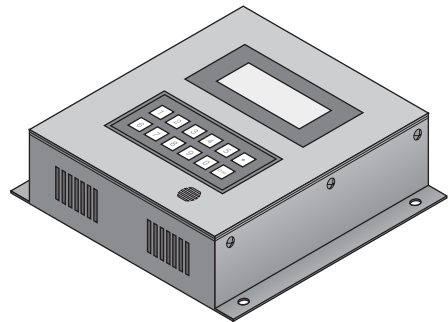


RABBIT Single Board Computers



OP6700 INTELLICOM

The Intellicom is a C-programmable, 12-key graphic display with Ethernet for network connectivity and a VFD option for applications requiring high visibility. To accommodate users' installation preferences, the versatile Intellicom can be either wall or panel mounted.



Specifications:

Feature	OP6700	OP6600
Microprocessor	Rabbit 2000 at 18.432 MHz	
Ethernet Port	10Base-T, RJ-45	None
Flash	512K (2 x 256)	256K
SRAM	128K	
Backup Battery	Socketed board with 3 V lithium coin-type, 1,000 mA-h, supports RTC and SRAM	
Keypad/Display	2 x 6 domed tactile keypad with customizable legend, supertwist 4 x 20 LCD with backlighting	
Digital Inputs	4 protected to ±36 VDC	
Digital Outputs	4 sink 200 mA, 40 VDC max.	
Speaker Outputs	Software-adjustable frequency and volume	
Serial Ports	3 total: one 5 V CMOS-compatible (programming) and either two 3-wire RS-232, one 3-wire RS-232 and one RS-485, or one 5-wire RS-232	
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2	
Connectors	Screw terminals	
Real-Time Clock	Yes	
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	9-40 VDC, 2.4 W (backlighting on)	
Operating Temp	0-50°C	
Humidity	5-95%, non-condensing	
Board Size	4.7" x 4.3" x 0.8" (119 x 109 x 20 mm)	
Enclosure	6.7" x 5.7" x 2.0" (170 x 145 x 51 mm)	

Tool Kit

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No. 812-101-0414	Intellicom Tool Kit (board not included)	200.00

Product Only *RoHS Compliant

*812-20-101-0411	OP6700	289.00
812-101-0412	OP6600	219.00

Programming/Development Tools *RoHS Compliant

694-101-0666	Dynamic C Module	359.00
694-540-0070	RS-232-to-USB Converter Cable	39.00
*694-20-101-0580	RabbitLink Card	129.00
694-101-0589	Rabbit Cloning Board	89.00
812-101-0410	Battery Board	25.00

Expansion Boards *RoHS Compliant

*694-20-101-0467	8 Meg Serial Flash	89.00
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EM1500 SERIAL-ETHERNET BRIDGE

The EM1500 Serial-Ethernet Bridge is a device that converts multi-point serial communications to a TCP/IP network. The EM1500 connects to and network enables as many as 4 RS-232 serial devices simultaneously, while also acting as master on a multi-drop RS-485 network. In addition, the EM1500 provides an SPDT relay, 2 digital open collector outputs and 3 digital inputs suitable for interfacing to mechanical switches or logic level circuits.

Success in today's marketplace demands rapid, low-cost access to information. The EM1500 is designed to allow easy setup and monitoring via a "black box" approach. No programming is needed. The tight integration of hardware and software offers unparalleled reliability. Quick configuration over Ethernet, using a web browser or the stand-alone GUI configuration program, is easy and convenient.

The EM1500 interfaces with all types of serial devices: modems, sensors, card readers, bar scanners, printers, etc. Having 2 EM1500s allows the creation of a transparent serial bridge, thereby using some of the more advanced software features, such as packaging and protocol conversions.

Hardware Features:

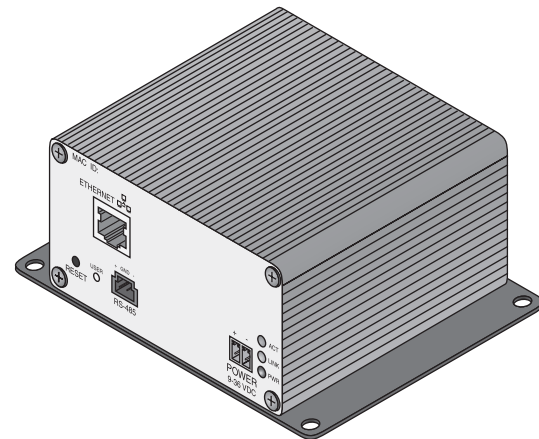
- 10/100Base-T Ethernet
- 4 Serial Ports
- Guaranteed throughput 600 Kbps (subject to network throughput)
- Serial ports 3 & 4 are either independent RS-232 ports up to 120 Kbps or TTL
- RS-485 up to 230.4 Kbps
- Easily interface legacy serial devices to Ethernet
- Extend the communication distance between 2 serial devices
- Metal enclosure for industrial applications

Software Features:

- Web browser interface for remote configuration
- GUI for easy configuration and monitoring
- Secure remote configuration
- AT command set emulation

Specifications:

Feature	EM1500
Microprocessor	Rabbit 3000 at 44.2 MHz
Ethernet	10/100Base-T, RJ-45
Flash	512K/256K data
SRAM	512K program execution
Backup Battery	3 V lithium coin type, 950 mAh
Relay	SPDT, 1 A @ 30 VDC, 0.3 A @ 120 VAC
Digital Inputs	3 protected to ±36 V
Digital Outputs	2 sinking up to 750 mA, > -0.5V; < (Vin + 0.5V).
Serial Ports	1 DTE RS-232, 1 DCE RS-232, 1 RS-485 half duplex, 1 or 2 configurable serial port(s): Two 3-wire, One 5-wire, or one 9-wire (TTL only)
Serial Rate	75-230.4 Kbps, 7/8 data bits, N/O/E/M/S parity, 1 stop, min thru-put: 600 Kbps
Serial buffer	1020 bytes
Configuration GUI	Supports WIN32, x86 Linux
Flow Control (RS-232)	None, XON/XOFF, RTS/CTS, DTR/DSR, DCD set independently for each directions (Tx, Rx)
Protocols	TCP/IP, telnet, RFC2217, DHCP, ARP, ICMP, DNS
LEDs	4: PWR (red), ACT (yellow), LINK (green), USER (red and green)
Power	9-36 VDC @ 1.5 W max
Operating Temp	-40°C to +70°C
Humidity	5-95%, noncondensing
Connectors	2 DB9 (1 male, 1 female), 1: 1x9 IDC, 0.1" pitch header, 1: 1x3 IDC, 0.1" pitch header 1: 2x5 IDC, 0.1" pitch header, RJ - 45, 1: 2 Position screw terminal
Enclosure Size	3.56" x 4.18" x 1.72" (90 x 106 x 44 mm)



Tool Kit

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No. 812-101-0585	Serial-Ethernet Bridge Tool Kit	99.00

Product Only

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No. 812-101-0583	EM1500 pre-programmed Ethernet Gateway	249.00

