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OP6700 Intellicom

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Description

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.

Features

- 10Base-T Ethernet with RJ-45
- High-visibility backlit, supertwist 4 x 20 LCD
- 12-key, user-relegendable keypad
- 8 industrialized I/O
- Scratch-resistant, self-healing lens

Powered by the [Rabbit® 2000 microprocessor](#), the OP6700 offers direct connection to 10Base-T Ethernet and communicates with serial devices via RS-232 and/or RS-485, providing multiple solutions for your communication applications. Eight general-purpose I/O provide control functionality.

A high-visibility 4 x 20 character display with backlighting provides excellent character legibility, and a tactile feedback 2 x 6 keypad offers a legend that can be user customized. The Intellicom is easily mounted and comes with bezel and impact-resistant plastic enclosure.

Programming the Intellicom

Programs are developed using Rabbit's industry-proven [Dynamic C®](#) software development system. An extensive library of drivers and sample programs is provided, along with royalty-free TCP/IP stack with source. All Intellicom models can be programmed and debugged over Ethernet/Internet using appropriate accessory hardware.

OP6700 Intellicom Specifications

Features	OP6700	OP6600
Microprocessor	Rabbit 2000 @ 18.432 MHz	
Ethernet Port	10Base-T, RJ-45	None
Flash	512K (2 x 256K)	256K
SRAM	128K (standard)	
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 V DC	
Digital Outputs	4 sink 200 mA, 40 V DC 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 V DC, 2.4 W (backlighting on)	
Operating Temp.	0°C - 50°C	
Humidity	5-95%, non-condensing	
Board Size	4.7" x 4.3" x 0.8" (119 mm x 109 mm x 20 mm)	
Enclosure Size	6.7" x 5.7" x 2.0" (170 mm x 145 mm x 51 mm)	
Part Number	20-101-0411	101-0412
Starter Package	U.S. 20-101-0411, 101-0414, Int'l 20-101-0411, 101-0415	U.S. 101-0412, 101-0414, Int'l 101-0412, 101-0415