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## OP6700 Intellicom



Models [OP6700](#), [OP6600](#)

[OP6700 Description](#)

[OP6700 Specifications](#)

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### Low-Cost Starter Packages

Includes everything you need to begin development



### 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-releagendable 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
<b>Microprocessor</b>	Rabbit 2000 @ 18.432 MHz	
<b>Ethernet Port</b>	10Base-T, RJ-45	None
<b>Flash</b>	512K (2 x 256K)	256K
<b>SRAM</b>	128K (standard)	
<b>Backup Battery</b>	Socketed board with 3 V lithium coin-type, 1,000 mA-h, supports RTC and SRAM	
<b>Keypad/Display</b>	2 x 6 domed tactile keypad with customizable legend, supertwist 4 x 20 LCD with backlighting	
<b>Digital Inputs</b>	4 protected to $\pm 36$ V DC	
<b>Digital Outputs</b>	4 sink 200 mA, 40 V DC max.	
<b>Speaker Outputs</b>	Software-adjustable frequency and volume	
<b>Serial Ports</b>	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	
<b>Serial Rate</b>	Max. burst rate = CLK/32 Max. sustained rate = burst/2	
<b>Connectors</b>	Screw terminals	
<b>Real-Time Clock</b>	Yes	
<b>Timers</b>	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers	
<b>Watchdog/Supervisor</b>	Yes	
<b>Power</b>	9-40 V DC, 2.4 W (backlighting on)	
<b>Operating Temp.</b>	0°C - 50°C	
<b>Humidity</b>	5-95%, non-condensing	
<b>Board Size</b>	4.7" x 4.3" x 0.8" (119 mm x 109 mm x 20 mm)	
<b>Enclosure Size</b>	6.7" x 5.7" x 2.0" (170 mm x 145 mm x 51 mm)	
<b>Part Number</b>	20-101-0411	101-0412
<b>Starter Package</b>	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