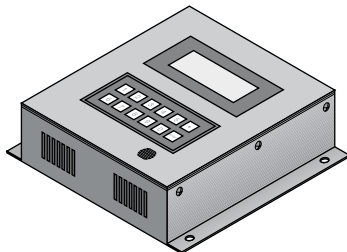


# RABBIT Single Board Computers



## OP6700 and OP6600 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.



MOUSER STOCK NO.	Description	Price Each
812-20-101-0411	OP6700	
812-20-101-0412	OP6600	
694-20-101-0467	8 Meg Serial Flash	
694-20-151-0178	RS-232-to-USB Converter Cable	
812-20-101-0580	RabbitLink Card	
812-20-101-0410	Battery Board	

### Specifications:

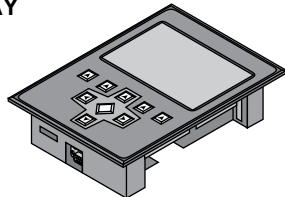
Feature	OP6700	OP6600
<b>Microprocessor</b>	Microprocessor Rabbit 2000 at 18.432 MHz	
<b>Ethernet</b>	Ethernet Port 10Base-T, RJ-45	None
<b>Flash</b>	Flash 512K (2 x 256)	256K
<b>SRAM</b>	SRAM 128K	
<b>Backup Battery</b>	Backup Battery Socketed board with 3V lithium coin-type, 1,000 mA-h, supports RTC and SRAM	
<b>Digital Inputs</b>	4 protected to ±36 VDC	
<b>Digital Outputs</b>	4 sink 200 mA, 40 VDC max.	
<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>Power</b>	9-40 VDC, 2.4 W (backlighting on)	
<b>Operating Temp</b>	0-50°C	
<b>Humidity</b>	5-95%, non-condensing	
<b>Connectors</b>	Screw terminals	
<b>Speaker Outputs</b>	Software-adjustable frequency and volume	
<b>Watchdog/Supervisor</b>	Yes	
<b>Board Size</b>	4.7" x 4.3" x 0.8" (119 x 109 x 20 mm)	
<b>Enclosure</b>	6.7" x 5.7" x 2.0" (170 x 145 x 51 mm)	
<b>Timers</b>	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers	
<b>Real-Time Clock</b>	Yes	

### Specifications:

Feature	OP7200	OP7210	OP6800	OP6810
<b>Microprocessor</b>	Rabbit 2000™ at 22.1 MHz			
<b>Ethernet Port</b>	10Base-T, RJ-45			None
<b>Flash</b>	256K			128K
<b>SRAM</b>	128K			
<b>Backup Battery</b>	Socketed 3 V lithium coin-type, 265 mA-h, supports RTC and SRAM, connection for user-supplied external battery		Connection for user-supplied battery (to support RTC and SRAM)	
<b>Keypad/Display</b>	1/4 VGA (320 x 240 pixels) w/ programmable on/off white LED backlight, 9-key tactile feedback keypad		122 x 32 pixel graphic LCD in two stacked sections (with programmable backlight), user-relegendable keypad with 7-key / 7-LED interface	
	4096 x 4096 analog touchscreen	No touchscreen		
<b>LEDs</b>	4: Power On, Microprocessor Error, Ethernet Link Alive, Ethernet Activity		7 hardware- or software-driven: 1 red, 4 green, 2 yellow	
<b>Digital Inputs</b>	19 protected to ±36 VDC	16 protected to ±36 VDC	13 total: 8 protected to ±36 VDC, 5 protected to ±25 VDC	
<b>Digital Outputs</b>	8: individually configurable in software; sink up to 350 mA, source up to 250 mA, or tri-state; 40 VDC max		11 total: sink 200 mA, 40 VDC max., 4 with built-in inductive load-protection diode	
<b>Analog Inputs</b>	Eight 11-bit single-ended or four 12-bit differential, 200 kW input impedance, 2.5 ksamples/sec. Eight software controlled programmable gain/voltage ranges from 0-1 V to 0-20 V.		None	
<b>Serial Ports</b>	4 CMOS-compatible: 1 RS-485 (or I/O expansion port), 2 RS-232 (one 5-wire or two 3-wire), One 5V CMOS-compatible (programmable)			
<b>Serial Rate</b>	Max. burst rate = CLK/32, Max. sustained rate = CLK/64		Max. burst rate = CLK/32 Max. sustained rate = burst/2	
<b>Real-Time Clock</b>	Yes			
<b>Timers</b>	Five 8-bit timers (4 cascadable from the first) and one 10-bit timer with 2 match registers			
<b>Watchdog/Supervisor</b>	Yes			
<b>Power</b>	9-40 VDC or 24 VAC, 4 W max.		9-36 VDC, 1.5 W max.	
<b>Operating Temp</b>	-10° to +65°C		0-50°C	
<b>Humidity</b>	20-70%, noncondensing		5-95%, non-condensing	
<b>I/O Connectors</b>	Screw terminals support max. 14 AWG/ 1.5 mm2 (standard)		2 x 20, 0.1" pitch ribbon-cable header	
<b>Product Size</b>	5.67" x 4.41" x 1.70" (144 x 112 x 43 mm)		4.5" x 3.6" x 1.33" (112 x 91 x 33 mm)	
<b>Display Area</b>	3.0" x 2.2" (76 x 56 mm)		22 x 32 pixel graphic display	

## OP7200 AND OP7210 EDISPLAY

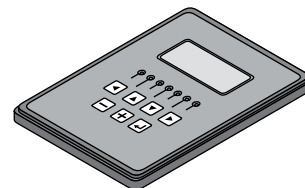
The **OP7200** and the **OP7210 eDisplay** is an intelligent operator interface that offers rugged I/O, built-in Ethernet connectivity, and optional A/D and touchscreen capabilities. The compact eDisplay is an ideal data acquisition and display device for OEM products and stand-alone systems such as factory floor controls. The unit's 10Base-T Ethernet facilitates remote diagnostics, control, and communication, including sending and receiving E-mails and alerts.



MOUSER STOCK NO.	Description	Price Each
812-20-101-0535	Touchscreen	
812-20-101-0537	Touchscreen 512K/512K	
812-20-101-0536	OP7210, RoHS	
812-20-101-0538	OP7210 512K/512K	
812-101-0543	OP7200 Tool Kit (board not included)	
812-20-101-0688	RabbitNet D/A Expansion Card	
812-20-101-0616	RabbitNet A/D Expansion Card	
812-20-101-0612	RabbitNet I/O Expansion Card, RoHS	
694-20-101-0467	8 Meg Serial Flash	
812-20-101-0879	RN1600 RabbitNet Relay Keypad/Display, RoHS Interface Card	
694-20-151-0178	RS-232-to-USB Converter Cable	
694-20-101-0580	RabbitLink Card	
812-101-0887	RN1600 RabbitNet Expansion Kit	

## OP6800 and OP6810 MINICOM

The **OP6800** and **OP6810 MiniCom** is a low-cost, C-programmable operator interface and single-board computer that offers Ethernet connectivity, plenty of industrialized I/O, a graphic LCD, and keypad. The MiniCom's compact 4.5" x 3.6" (112 x 91 mm) form factor makes it ideal for use in designs and areas with size constraints. Available in both Ethernet-enabled and non-Ethernet versions, the MiniCom provides comprehensive integrated control, display, and networking capabilities via Internet/Ethernet or serial communications.



MOUSER STOCK NO.	Description	Price Each
812-20-101-0654	OP6800 512K/512K, RoHS	
812-20-101-0497	OP6810, RoHS	
812-101-0505	OP6800 Proto Board	
694-20-151-0178	RS-232-to-USB Converter Cable	
694-20-101-0580	RabbitLink Card	
694-20-101-0467	8 Meg Serial Flash	