



ETHERNET-INTELLIGENT  
OPERATOR INTERFACE



# OP7200 eDISPLAY SERIES

The compact eDisplay is an intelligent operator interface ideal for data acquisition and stand-alone systems such as factory floor controls

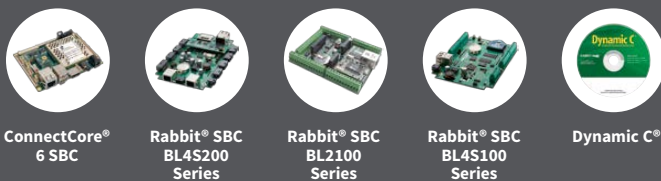
The OP7200 series of intelligent operator interfaces offers rugged I/O and Ethernet connectivity, along with optional A/D and touchscreen capabilities. The 10-Base-T Ethernet facilitates remote diagnostics, control and communication, including sending and receiving emails and alerts. Both models come equipped with a 1/4 VGA display with a 9-key keypad and programmable on/off white LED backlight. The OP7200 series also provides easy-to-use menu building software and offer a programmable audible alarm for prompt notification and keypad/display feedback.

Functionality of the OP7200 series can be expanded using the optional RabbitNet™ expansion cards. RabbitNet expansion cards can be tailored to a large variety of demanding applications.

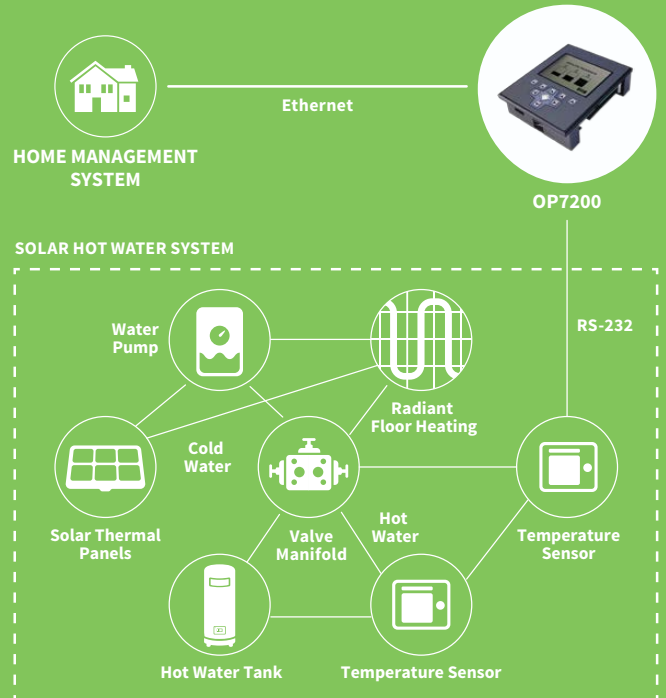
## BENEFITS

- Rabbit® 2000 microprocessor at 22 MHz
- 1/4 VGA display (320 x 240 pixels)
- 10Base-T Ethernet, RJ-45
- 256K Flash/128K SRAM
- 24-27 industrialized I/O and 4 CMOS-compatible serial ports
- English and foreign language fonts
- Graphic and bitmap images
- Open source GUI libraries

## RELATED PRODUCTS



## APPLICATION EXAMPLE



SPECIFICATIONS	OP7200	OP7210
<b>FEATURE</b>		
<b>MICROPROCESSOR</b>	Rabbit® 2000 at 22 MHz	
<b>ETHERNET PORT</b>	10/100-compatible with 10Base-T interface, RJ-45	
<b>FLASH MEMORY</b>	256K	
<b>SRAM</b>	128K	
<b>BACKUP BATTERY</b>	Socketed 3V lithium coin type, 265 mA·h	
<b>KEYPAD/DISPLAY</b>	¼ VGA (320 × 240 pixels) with programmable white LED backlight, black on white display, transfective FSTN LCD, 6 o'clock viewing angle; 9-key keypad	
<b>TOUCHSCREEN</b>	4096 × 4096 resistive touchscreen	None
<b>LEDS</b>	4: Power On, Microprocessor Error, Ethernet Link, Ethernet Activity	
<b>DIGITAL INPUTS</b>	19: Protected to ±36 VDC	16: Protected to ±36 VDC
<b>DIGITAL OUTPUTS</b>	8: Individually configurable in software to sink up to 350 mA each, 36VDC max., or source up to 250 mA each, 40VDC max	
<b>ANALOG INPUTS</b>	8 single-ended or 4 differential, 200 kΩ input impedance, 1.5 ksamples/s sampling rate Software-controlled ranges: 0–1V, 2V, 5V 10V, 20 VDC (11-bit single-ended, 12-bit differential)	None
<b>CONNECTORS</b>	Four 12-position screw-terminal headers, 0.1" pitch	Three 12-position screw-terminal headers, 0.1" pitch
<b>SERIAL PORTS</b>	4 serial ports: <ul style="list-style-type: none"> <li>• 2 RS-232 or 1 RS-232 (with CTS/RTS)</li> <li>• 1 RS-485 with onboard network termination and bias resistors or 1 RS-422 SPI master port</li> <li>• One 5V CMOS-compatible programming port</li> </ul>	
<b>SERIAL RATE</b>	Max. burst rate = CLK/32, Max. sustained rate = CLK/64	
<b>REAL-TIME CLOCK</b>	Yes	
<b>TIMERS</b>	Five 8-bit timers (4 cascadable from the first), one 10-bit timer with 2 match registers	
<b>WATCHDOG/SUPERVISOR</b>	Yes	
<b>POWER</b>	9–40 VDC or 22–26 VAC, 4W max.	
<b>TEMPERATURE</b>	Operating Range: -10° C to +65° C; Storage Range: -30° C to +80° C	
<b>HUMIDITY</b>	20% to 70%, non-condensing	
<b>UNIT SIZE</b>	4.41" × 5.67" × 1.70" (112 mm × 144 mm × 43 mm)	

PART NUMBERS	DESCRIPTION
20-101-0535	OP7200 With touchscreen
20-101-0536	OP7210 Without touchscreen
20-101-0537	OP7200 With touchscreen and 512k Flash and SRAM
20-101-0538	OP7210 Without touchscreen and 512k Flash and SRAM

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