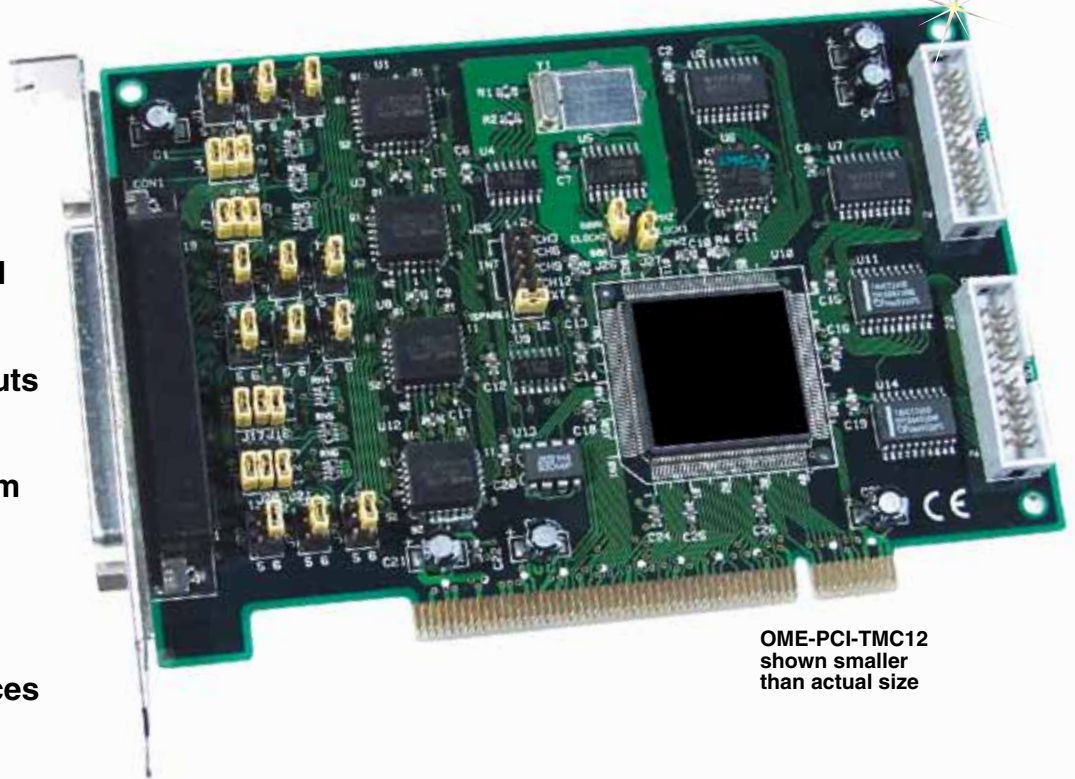


# 12-Channel Counter/Timer Board

## OME-PCI-TMC12



- ✓ Four 8254 Counter/Timer Chips On Board
- ✓ 12 Independent 16-Bit Counter/Timers
- ✓ 12 External Clock Inputs
- ✓ 12 External Gate Control Inputs
- ✓ Gate Input Can be from External or Previous Counter/Timer Output
- ✓ 5 Interrupt Sources (4 Internal and 1 External)
- ✓ 2 Internal Clock Sources
- ✓ 16 Digital Inputs
- ✓ 16 Digital Outputs



OME-PCI-TMC12 shown smaller than actual size

The OME-PCI-TMC12 is a PCI-Bus general purpose counter/timer and digital I/O board. It provides twelve 16-bit counter/timer channels. Two internal clock sources (8M / 1.6M and 0.8M / 80K) are selected by jumper. Four 8254 chips provide a variety of powerful counter/timer function modes to match your industrial and laboratory applications.

### Software Development Kit

All boards are supplied with a standard software development kit for Windows XP/Vista/7. The software development kit includes dll files for programming in C, C++ or other high level languages and OCX files for Visual Basic or Active X programming. LabView drivers are also included.

### Specifications

**Input/Output Level:** TTL  
**Input Logic High Voltage:** 2.0V (min)/5.0V (max)  
**Input Logic Low Voltage:** -5.0V (min)/0.8V (max)  
**Input Load Current:** -0.45 mA (min) +70 µA  
**Output Sink Current:** +64 mA (max)

**Input Source Current:** -15 mA  
**Power Consumption:** +5V @ 500 mA max  
**Operating Temperature:** 0 to 60°C (32 to 140°F)  
**Storage Temperature:** -20 to 80°C (-4 to 176°F)  
**Humidity:** 0 to 90% RH non-condensing

**Dimensions:** 105 H x 150 mm L (4.1 x 5.9")  
**Connector:** Counter/timers, 37-pin D-sub; digital I/O, two 20-pin headers



OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners.

### To Order

Model No.	Description
<b>OME-PCI-TMC12</b>	12-channel counter/timer board
<b>OME-DB-16P</b>	16-channel isolated digital input board, includes 1 m (3') cable (OME-CA-2010)
<b>OME-DB-16R</b>	16-channel relay output board, includes 1 m (3') cable (OME CA-2010)
<b>OME-ADP-20/PCI</b>	20-pin extender (extends the dual 20-pin digital I/O flat cable connectors on the board to the PC slot window, includes two 20-pin cables, (OME-CA-2002)
<b>OME-DN-37</b>	DIN rail mount I/O connector block with 37-pin D-Sub connector, includes 1 m (3') cable (OME-CA-3710)
<b>OME-DB-37</b>	Direct connect 37-pin terminal board

OME-PCI-TMC12 data acquisition board comes complete with operator's manual and software development kit on CD ROM.

**Ordering Example:** OME-PCI-TMC12 12-channel counter/timer board and OME-DB-37 37-pin direct connect terminal board and OCW-1, OMEGACARE<sup>SM</sup> 1 year extended warranty for OME-PCI-TMC12 extends standard 1-year warranty to a total of 2 years.