OCTAGON SYSTEMS

• Embedded rugged computers
• –40° to 85° C
• Embedded operating systems
• COTS—high reliability

• 6510 W. 91st Ave • Westminster CO 80031 • USA   * PH: 303-430-1500 * FAX 303-412-2050

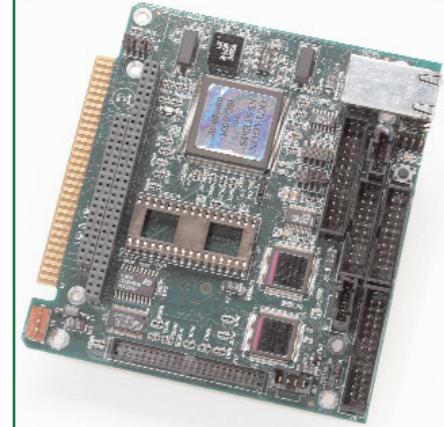# Reliability in the toughest environment

The 6225 is an industrial computer with the most often used I/O. It integrates serial, parallel, disk, digital, and networking I/O with a low cost–per–function. It is ideal for distributed control, POS, ticketing machines, weighing equipment, etc., where a number of computers are networked through Ethernet—the standard that is rapidly dominating industrial networking. The 6225 operates stand–alone with a 5V power supply, with PC/104 expansion cards, or an ISA Bus backplane.

The 6225 is a truly industrial product, operating from –40° to 85° C and withstanding high shock and vibration. The low power consumption allows the 6225 to be placed in sealed enclosures without the use of a fan. The card has an ambient temperature sensor that is accurate to ±3° C over –40° to 85° C and can be read remotely. The simple operator interface of a keypad and 4–line LCD display is fully supported with driver software. The card is also available depopulated for the most cost–effective OEM solutions.

Octagon products are designed and manufactured under the supervision of an ISO 9001-2000 certified quality management system.

Features

SYSTEM:

◆ CPU: 386SX, 40 MHz

◆ DRAM: 8 MB, DRAM (4 standard)

◆ BIOS: Phoenix with fast boot and industrial extensions

◆ Flash: 2 MB included; 288 MB DiskOnChip support

◆ Software: DOS 7.1, flash file system, diagnostics and utilities in flash

◆ SRAM: 512K, battery–backed supported

◆ Ethernet®: 10 Base–T with device drivers

◆ Serial: Four serial ports, 16C550 compatible, RS–232/422/485, ESD protection

◆ Parallel: 2 parallel ports:Bi–directional, ECP/EPP modes

◆ Temp. sensor: ±3° C accuracy

◆ EIDE: Two hard disks, SanDisk, CD–ROM drives

◆ Digital I/O: 17 lines available using second parallel port

◆ Operator I/F: Supports 16–position matrix keypad and 4x40 LCD display

◆ Speaker: Standard PC speaker port

◆ Keyboard: AT keyboard support with PS–2 connector

◆ Floppy: Supports two floppy drives with all standard densities

◆ Expansion: PC/104 connector and ISA Bus

◆ Compatibility: DOS, QNX® and Linux®

◆ Watchdog: Programmable .5 sec. to 64 sec.

ENVIRONMENTAL SPECIFICATIONS:

◆ Power: 5V only operation, 480 mA typical, 170 mA in standby, ±12V supplied to PC/104 connector

◆ Temp. range: –40° to 85° C operating

◆ Shock: 40g, 11 mS, half sine, three axes

◆ Vibration: 5g, random, 10–500 Hz

◆ Size: 4.5" x 4.9"

ORDERING INFORMATION

#5610   6225, 2 MB flash, 4 MB DRAM, manual and utilities

ACCESSORIES

#4866   VTC–20F, serial cable, 20–pin female, 18–in.
#4989   VTC–20M, serial cable, 20–pin male, 18–in.
#4809   FCA–12, floppy drive cable, 12–in.
#4808   PCA–36, Centronics printer cable, 36–in.