

**Series-3000 Portable Computer Platforms  
CHS3K-10/20XP****Physical**

Dimensions 14.5 x 17.5 x 10-inches  
Air input ~ 50 CFM side panel; side exhaust  
Weight 48 lbs typical

**Operational Environment**

Ambient Temperature +5 °C to +40 °C  
Relative Humidity 5 to 90% noncondensing  
Altitude -200 to 10,000 feet

**Shipping and Storage**

Ambient Temperature -20 °C to +85 °C  
Relative Humidity 0 to 95% noncondensing  
Altitude -200 to 40,000 feet

**Electrical**

Power Manual switch: 115 VAC, 47 to 63 Hz or 230 VAC, 47 to 63 Hz  
510 watts AC typical maximum power consumption  
IEC 320-13 (universal) compatible power entry  
DC output 510 watts max with 150 typical  
DC output disabled via front panel switch/power indicator

Grounding AC ground to rear panel pressed-in stud (central chassis ground)  
Backplane single-point ground to main chassis ground  
External ground point provided on rear panel  
Aluminum alloy chassis is coated with a conductive chem film (Iridite) per MIL-C-5541, Class 1A

Safety Agency Approvals UL, CSA, TUV, VDE on power supply  
UL, CSA, VDE on power entry module and circuit breaker  
UL style 1028 with CSA type TEW wire on inputs

Electrostatic Discharge (ESD) Complies with European standard IEC-801-2 when bearing the CE mark

**Includes**

Keyboard 104 keys, fold-down style  
Integrated 17-inch monitor  
Integrated touchpad pointing device

## Standard Features

- Portable High-speed Telemetry Processing
- Single Multicore Processing Power, CHS3K-10XP-XXX
- Dual Multicore Processing Power, CHS3K-20XP-XXX
- Data Handling w/OMEGA Software Suite
- Any Telemetry Signal-type Inputs
- Multiple USB v2.0 and 10/100/1000 Ethernet
- Up to 17-inch LCD Display; External SVGA Support
- System and Data Archive Drives Removable
- Integrated DVD-R/W/CD-R/W Drive
- Industry Standard Drive Capacities
- Up to 7 Internal PCI Slots
- Main Stream Desktop Video Card
- Carrying Case

## Ordering Information

CHS3K-10XP-XXX	Basic Integrated Portable Computer Platform with One Multicore CPU
CHS3K-20XP-XXX	Advanced Integrated Portable Computer Platform with Two Multicore CPUs

## Boards and Software

PPCMxx-100-003	PCI All-in-One PCM Board; Optional Configurations
TPCIxx-400-002	Enhanced PCI Frame Sync/Decom; Optional Configurations
TSNCxx-400-002	PCI Bit Synchronizer; Optional Configurations
PSIM-200-001	Programmable Dual-stream PCM Simulator; IRIG B Output
OMEGA-FIRE	OMEGA S/W License for Quick look Platform
OMEGA-SERV	OMEGA S/W Manager for Real-time Data Server Platform
OMEGA-IES	OMEGA Instrumentation Equipment Setup

### Notes:

1. Individual components may change due to rapidly evolving computer technology. As these models evolve to keep up with technological advancements, functionality and performance increase.
2. Ordering information for board level equipment and software refers to all three computer platforms.
3. Contact factory for more details.