

Operation

Auto Mode

When the CS-201/221 is turned on, it operates on the first-come-first-served basis and all LEDs illuminate except for the **MANUAL** LED. Whichever user strikes his keyboard first has the right to access the computer. The CS-201/221, then, locks on to the **CONSOLE**, keeps the LED on and turns the other LED off. In the meantime, the other user can not access the computer.

If the user has not struck his keyboard nor moved his mouse before the Timeout (set by the DIP Switches 1 and 2) elapses; the CS-201/221, after Timeout elapses, returns to the Auto Mode and turns all LEDs on but the **MANUAL** LED.

The user may hit the **left 'SHIFT'** key six times to terminate his access and the CS-201/221 returns back to **Auto Mode**. Or, press the **MANUAL** button to select a different **CONSOLE**.

Manual Mode

If a user wants to access the computer for a long time, he may press the **MANUAL** button several times till his **CONSOLE** LED illuminates. This manual selection locks the CS-201/221 to his **CONSOLE** and prohibits any other from accessing the computer till : any user presses the **MANUAL** button.

When the **MANUAL** button is pressed several times, the CS-201/221 cycles through

→ Auto Mode → **CONSOLE 1** → **CONSOLE 2** →

Private Mode

For security reasons, **ONLY CONSOLE 1**, has the privilege to access the computer and **disables CONSOLE 2 from seeing his operations**. To do so, the DIP switch number 3 must be set to ON before the CS-201/221 is turned on. This user may access the computer in the Private mode by pressing the **right 'SHIFT'** key six times.

The Private mode continues till:

- the first user presses the **right 'SHIFT'** key six times, or
- any user presses the **MANUAL** button.

Operation

Screen Save Function

To protect the screen phosphor in Auto mode while no one is accessing the computer, the CS-201/221 scrolls a stripe of screen image. To enable this function, set the DIP switch number 4 ON.

PREVENTING RADIO & TV INTERFERENCE

WARNING!!! This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

LIMITED WARRANTY

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK, OR ITS DOCUMENTATION.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and specially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update device or documentation without obligation to notify any individual or entity of such revisions, or update. For further inquiries please contact your direct vendor.

CPU SHARING DEVICE

CS-201

&

CS-221

User's Manual

Packing Checklist

- CS-201/221 x 1
- User's Manual x 1

Please read this manual thoroughly and follow the installation procedures to prevent any damage to the CS-201/221 and /or the connecting devices.

INTRODUCTION

The CS-201/221 is a powerful micro-processor controlled CPU sharing device enabling two users to use a computer. With two sets of keyboards, mice and monitors, this multi-user-single-task device is ideal for any small office environment. All programs, files, data, and resources can be easily shared without the knowledge of network.

FEATURES

- Supports PS/2, IBM PC and compatibles.
- Supports PS/2, AT, and auto-switchable keyboard.
- Supports SVGA, VGA, and multi-sync monitors.
- No software required.
- One computer shared by two sets of monitors, mice, and keyboards.
- Automatic or manual CONSOLE selection.
- Provides screen save function.
- Private mode for a privileged user.
- Supports PS/2, mouse. (CS-221 only)

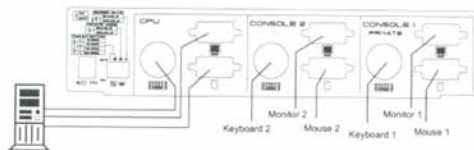


Figure 1 CS-201 Rear Panel

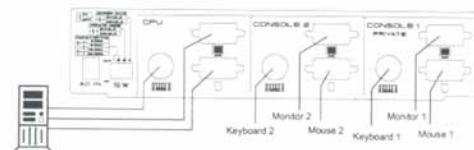


Figure 2 CS-221 Rear Panel

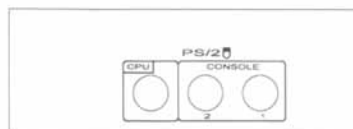


Figure 3 CS-221

INSTALLATION

- Turn off the computer, all monitors, and the CS-201/221.
- Connect the **CPU keyboard** port at the back of the CS-201/221 to a computer keyboard port by a DIN-5 male-to-male cable.
- Connect the **CPU mouse** port at the back of the CS-201/221 to a computer mouse port by a DB-9 male-to-female cable.
- Connect the **CPU monitor** port at the back of the CS-201/221 to a computer VGA port by a DB-15 male-to-male cable.
- Connect the first set of keyboard, mouse, and monitor to the ports of **CONSOLE 1**.
- Connect the other set of keyboard, mouse, and monitor to the ports of **CONSOLE 2**.
- Setup DIP **SW** according to desired operation. Check the DIP Switch Setting section for detail.
- Connect the power adapter to CS-201/221 and turn it on, then turn on all monitors and the computer.
- The CS-201/221 will be ready for operation one minute after you see the DOS prompt on a monitor.

Note

Before turning on the computer, be sure the first port has a keyboard connected to it; otherwise, an error message:

Keyboard error
Press <F1> to RESUME

shows up. If so, connect a keyboard to KB 1 at the back of the CS-201/221, press the function key F1, and resume operations.

DIP Switch Setting

DIP switches select Timeout, Private mode, and screen save functions. These switches must be set up properly before turning the CS-201/221 on.

DIP Switch				Function
1	2	3	4	
ON	ON	x	x	5 seconds Timeout
OFF	ON	x	x	15 seconds Timeout
ON	OFF	x	x	45 seconds Timeout
OFF	OFF	x	x	90 seconds Timeout
x	x	ON	x	Private mode enabled
x	x	OFF	x	Private mode disabled
x	x	x	ON	Screen save enabled
x	x	x	OFF	Screen save disabled

SPECIFICATIONS

FUNCTION	SPECIFICATIONS	
	CS-201	CS-221
Sharing user number	Two	
Shared function	Monitor, mouse, and keyboard	
LED	Two CONSOLE LEDs one manual status	
Function key	Automatic/manual selection	
Timeout setting	5 ~ 90 seconds	
Keyboard connector	Three female DIN-5 (Input & Output)	Three female mini DIN-6 (Input & Output)
Serial mouse connector	One female DB-9 (Input), two male DB-9 (Output)	
PS/2 mouse connector	X	Three female mini DIN-6 (Input & Output)
VGA connector	Three high-density DB-15 (Input & Output)	
Enclosure	Metal & plastic	
Weight	2650g	
Dimensions (LxWxH)	254 x 180 x 82 (mm)	

Products Introduction

USB series	The electronic interface between USB devices and the host. Include : 1 to 4 Hub.
Portable storage series	The most easily way to expand your PC system via parallel port and no LPT port is occupied. Include : for 2.5", 3.5" size Hard Disk and for 5 1/4" size CD-ROM models.
Video splitter series	The simplest solution for image duplication, cascade ability allows infinite numbers of VGA monitors display the same image. Include : 1 to 16 Rack mount 1U model, 1 to 2/4/8 desktop models, 1 to 5 for MAC users.
CPU switch series	Enable one set of console, a keyboard, a monitor and a mouse, to control multiple CPUs. Include : 1 to 2/4/6 models for PC AT and PS/2 system and 1 to 4/8/16 Rack mount 1U or 2U models.
Printer network series	Enable multiple uses to share multiple printers at the same time. Include : Centronics (parallel) & RS-232 (series) models and they can be intermixed in a network.
Converter series	The ability to convert one type of signal to another.
Switch buffer series	A variation of the basic Auto Switch, in the meantime, sends data to printer, which cuts delay and wait time. Include : 2/4/8 to 1, 4 to 1/2 parallel models, buffer card has 256K, 1M, 2M bytes for your needed.
Auto switch series	Let you share your peripherals. Include : 2/4/8 to 1/2 bi-tonics may have file transfer, reversible, parallel or serial, 4 to 1 for MAC models. Bi-tonics parallel port has become a standard in the HP LaserJet IV series. It is compatible with Centronics parallel, yet provides enhanced features such as bi-directional communication higher data throughput and printer control. Reversible function help to solve the problem between multiple user multiple peripherals at minimum cost.