MASTER VIEW

CS-106

User's Manual

Packing Checklist

- CS-106 MASTER VIEW
- Adapter DC 9V 600mA(min.)
- User's Manual

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1. INTRODUCTION
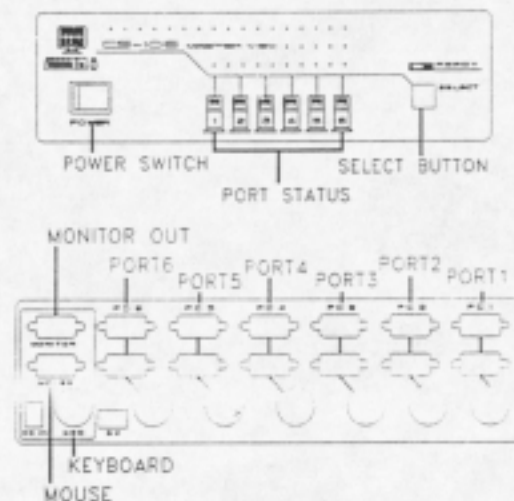
Master View, a controller for single user to multiple computers. Before, the costly network is the only solution to this application. Now, the Master View provides the easiest and the most cost effective way of accessing multiple computers.

With the powerful features of Master View, anyone is capable of operating or testing lots of computers by a set of monitor, keyboard and mouse. Switching from one computer to the other is easily done by Hot Keys or button pressing. No program to install and no incompatibility problem, because the Master View intercepts the Hot Keys from the keyboard directly.

One Master View controls up to six computers. Once cascaded, Master View may control up to 216 computers. A powerful auto-scan feature scans all operational computers one by one and stops upon user requests. Master View is ideal for Server, Control Room, Testing,etc.

FEATURES

- Supports SVGA, VGA, and Mutisync Monitors.
- Simple keystrokes or Push Buttons for PC Selection.
- Buzzer Sound for Switching Confirmation.
- No Software Required.
- One Set of Monitor, Keyboard and Mouse for up to 216 PCs.
- Cascadable up to 216 PCs.
- Auto Scan and Manual Selection.
- Keyboard Caps Lock, Num Lock, Scroll Lock states automatically saved and restored when switching among computers.
- Scan mode automatically switches through power-on computers, scan rate is DIP switch selectable.
- Saves spaces, equipments, and power costs.
- Easy Hot Keys control is compatible with normal keyboard operation.

2. SPECIFICATION

Function	Specification
Power Consumption	DC 9V 450mA
Accessing PC Number	6
PC Selected by	Keyboard/Button
LED	1 Ready LED, 6 Port Status LEDs
Scan Interval	3, 10, 20, and 40 Seconds
Keyboard Connector	5-pin DIN
Mouse Connector	9-pin D Type Male/Female
Monitor Connector	15-pin D Type Female/Male
Enclosure	Metal
Weight	2650g
Dimensions (LxWxH)	254 x 180 x 82 (mm)

3.   INSTALLATION

CS-106 is cascadable up to three stages by DIP switch selection.

1. One Stage:

It enables one CS-106 to control up to six computers, as shown in fig A.

Set the DIP switch 4 to ON. Connect the monitor output, mouse port, and keyboard port of a computer to one of the CS-106's PC1 ~ PC6 ports by appropriate cables.

A:VGA
B:MOUSE
C:KEYBOARD

Fig A.

2. Two Stages:

It enables one (the first stage) CS-106 to control computers directly or by other cascaded (the second stage) CS-106s indirectly as shown in fig B. The maximum number of computers under control is 36.

Set the DIP switch 4 of the first stage CS-106 to ON and all the second stage CS-106's OFF.

No connection

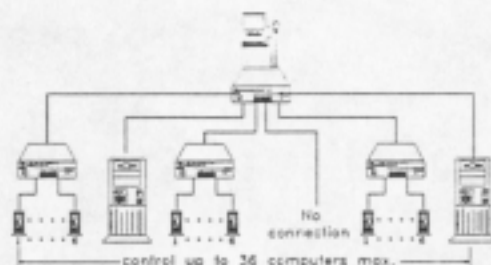control up to 36 computers max.

Fig B.

Computers may be connected to the first stage and the second stage CS-106s. Connect the MONITOR, MOUSE, and KBD ports of the second stage CS-106 to one of the first stage CS-106's PC1 ~ PC6 ports by appropriate cables.

3. Three Stages:

Similiar to the **Two Stages** operation, more computers can be controlled indirectly by the third stage CS-106s as shown in fig C. The maximum number of computers under control is 216.

Set the DIP switch 4 of the first stage CS-106 to ON, and all the second stage and the third stage CS-106s' to OFF.

Computers may be connected to the first stage, the second, or the third stage CS-106s. Connect the MONITOR, MOUSE, and KBD port of the third stage CS-106 to one of the second stage CS-106's PC1 ~ PC6 ports by appropriate cables. Likewise, from the second stage CS-106 to the first stage CS-106.

After connecting cables from computers to CS-106 and from one CS-106 to the other, you may connect a power adapter to each CS-106 and turn on the Master View. The READY LED should be on when a Master View turns on, if not, check the power adapter.
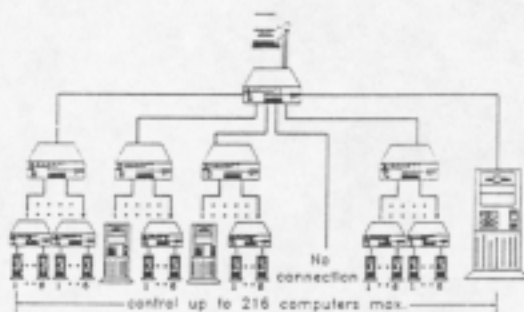

Fig C.

4. OPERATION

You may access any computer by pressing the front panel SELECT BOTTON or the keyboard, and the CS-106 directs keyboard control, mouse control, and video image of that computer to you as if the computer were right next to you.

1. By the front panel button:

To select a computer connecting to a CS-106, you simply press the front panel SELECT BUTTON of that CS-106 several times till the computer is se-lected when its corresponding LED turns on.

2. By the keyboard:

As shown below, Hot Keys are entered by pressing the 'Alt', 'Ctrl'. and 'Shift' key simul-taneously, release all, followed by the com-mands key(s), and end with the 'Enter' key.

A. To start Scan mode:

Alt   Ctrl   Shift + 0 + Enter

To stop Scan mode:

Space

B. To start Previous/Next mode:

Alt   Ctrl   Shift + 9 + Enter

To select previous port in Previous/Next mode:

left Shift

To select next port in Previous/Next mode:

right Shift

To stop Previous/Next mode:

Space

C. To select a first-stage port directly:

Alt   Ctrl   Shift # Enter

To select a second-stage port directly:

Alt   Ctrl   Shift # # Enter

the 1st # selects a 1st-stage port

the 2nd # selects a 2nd-stage port

To select a third-stage port directly:

Alt   Ctrl   Shift # # # Enter

the 1st # selects a 1st-stage port

the 2nd # selects a 2nd-stage port

the 3rd # selects a 3rd-stage port

is a digit key between 1 and 6

| Mode | Actions taken by the CS-106 | |
	Result for correct Hot Keys	Incorrect Hot Keys
Scan	• filters out the Hot Keys & beeps once • scans powered-on computers one by one and flashes corresponding LED • scan rate is set by the DIP switches of the 1st stage CS-106 • Space stops this mode	displays the keys
Previous/Next	• filters out the Hot Keys & beeps once • the right Shift key selects a higher numbered computer • the left Shift key selects a lower numbered computer • Space stops this mode	displays the keys
Direct	• Filters out the Hot Keys & beeps once for a ready port; otherwise, beeps twice • switch to the selected port	displays the keys

5.   LED

There are one READY LED, six PORT STATUS LEDs on the front panel. Their functions are:

READY LED   :   Turns on when CS-106 has power.

PORT STATUS LED :   Are used to indicate various CS-106 status.

1.   If a port of a CS-106 is not selected, its corresponding PORT STATUS LED is off.

2.   If a port is selected which connects to another CS-106, its corresponding PORT STATUS LED flashes

3.   If a port is selectes which connects to a computer, its corresponding PORT STATUS LED stays on.

4.   If a port is selected which connects to a computer under +/- mode, its corresponding PORT STATUS LED flashes:

5.   If a port is selected which connects to a computer under scan mode, its corresponding PORT STATUS LED flashes:

The PORT STATUS

   :   the PORT STATUS LED turns on.

   :   the PORT STATUS LED turns off.

6. DIP SWITCH

1. For the first-stage *CS-106.

DIP Switch Number				Function
1	2	3	4	Scan Time
ON	ON	X	ON	3 seconds
OFF	ON	X	ON	10 seconds
ON	OFF	X	ON	20 seconds
OFF	OFF	X	ON	40 seconds

2. For the second or third-stage CS-106 all DIP switches are off.

   * The CS-106 connecting to a user keyboard is a first stage CS-106.

7. TROUBLESHOOTING

Symptom	Causes	To do
The first stage CS-106 does not take Hot Keys.	Incorrect DIP switches settings.	Set the first stage CS-106 DIP switch 4 to ON, all other CS-106s' switches OFF.
Press Hot Keys gets no response.	CS-106 operates in Scan or in Previous/Next mode.	Press the space bar to exit these modes before giving Hot Key commands.
	The selected port connects to a power-off computer.	Change the port selection to a power-on computer.
	Improper keyboard reset.	Unplug then plug the keyboard back to the connector.
	Improper CS-106 reset.	Turn off all CS-106s, wait for 5 seconds, and turn them on.
		Turn off all computers, wait for 5 seconds, and turn them on.