

6800N-C2 Frame

USER MANUAL



Osee
时代奥视

Product Information

Model: 6800N-C2 Frame
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Company

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6800N-C2 Frame

Chapter 1 Introduction

The 6800-C2 can house up any combination of modules out of 6800N Series modules osee company has produced. Specially designed power supply unit ensures the high reliability of the system. Meanwhile the redundant power supply is also available. 6800N series board can process video and audio signals, and the process include A/D conversion, signal distribution, audio embedding and de-embedding, status detection and etc.

The special design of cooling system on the front panel provides better cooling effect for system when running in full load and in long-term operation. The airflow is directed from the front to the other side of the frame to prevent a higher temperature of the system.

The frame include four cooling fans by air convection, two power supplies which have wide range of voltage, a control board, and several connectors which are composed of genlock, com and Ethernet and RS232.

Features

- ✓ 2RU standard chassis
- ✓ Up to 20 single-slot modules or 10 dual-slot modules can be housed in the units
- ✓ Front panel cooling system for increased ventilation
- ✓ Redundant power supply with fail indication LED on front panel
- ✓ The compact design of 6800-C2 also offers easy installation of 6800N series modules

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Chapter 2 Operation and Installation

2.1 Front Panel

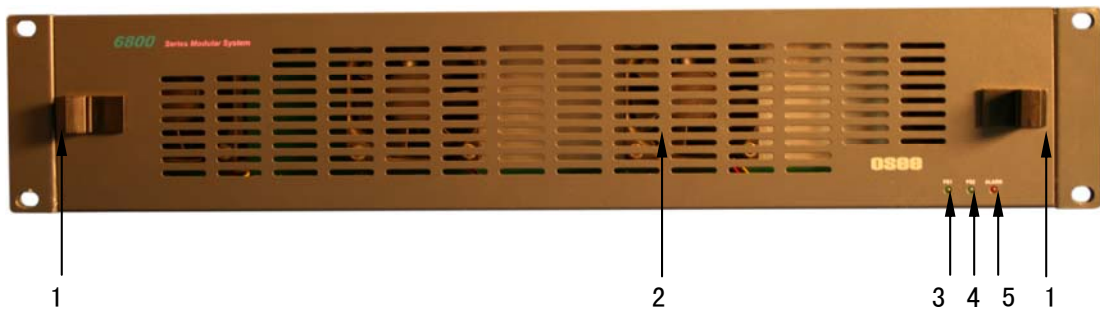


Figure 2-1 the Front Panel of 6800-C2

Table 2-1 Description of every part in the front panel

Number	Item	Description
1	knob	Used to assemble or disassemble the front panel
2	fans	4 pcs in total, used to help the frame ventilation
3	PS1	Power supply 1 indicator (green)
4	PS2	Power supply 2 indicator (green)
5	ALARM	fans alarm indicator (red)

2.2 Rear Panel



Figure 2-2 the Rear Panel of 6800-C2

Table 2-2 Description of every connector in the rear panel

Number	Item	Description
1	PS1, PS2	Master and backup AC power supply connectors

Number	Item	Description
2	GNLCK	reference signal input and loop
3	RS232	Standard RS232
4	ETHERNET	RJ45, 100Mbps
	COM	Used as control connectors

2.3 Front Panel Operation

1 Disassembly

Grab the knobs, push them toward the direction between the two knobs, and pull the front panel, then, you can realize the disassembly.



Figure 2-3 Disassembly of the front panel

2 Assembly

Grab the knobs, push them toward the direction between the two knobs, and push the front panel, then, you can realize the assembly.



Figure 2-4 Assembly of the front panel

2.4 LED indicators

Table 2-3 Description of LED indicators in the front panel

Item	Description
PS1	On: Power supply 1 is used
	Off: Power supply 1 is not used
PS2	On: Power supply 2 is used
	Off: Power supply 2 is not used
Alarm	On: one or more fans have problems.
	Off: all four fans work normally.

Chapter 3 Specifications

Reference Signal

Table 3-1 Specification of reference signal

Item	Specification
Signal Format	Analog color bar or analog black burst
Connector	BNC (IEC169-8)
Impedance	75 Ω
Input level	0.5 to 2 V

Power Supply Parameters

Table 3-2 Power Supply Parameters

Item	Parameter
Voltage	100-240V ($\pm 10\%$) AC
Current	>1.2A
Frequency	50-60Hz

Note: Specifications are subject to change without notice