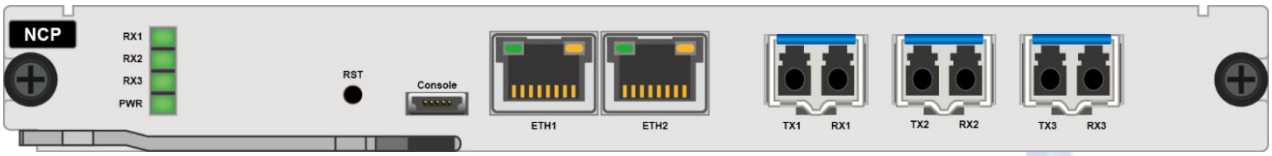
NCP: Network Control Management Card

NCP is a network management module specially designed for OTNS8600 series products by Guangzhou Sintai Communication Co., Ltd. Its main function is to provide the interface between equipment and network management system. With the NS2000 network management system of OTNS8600 series, NCP completes the single card management, various maintenances and management signal transmission of network element, and realizes the real-time monitoring, maintenance and management of equipment element and the whole synchronous equipment network. It provides a good solution for equipment monitoring.

Product Diagram



Product Feature

- High-speed ARM processor is used to provide powerful data processing capability. It can collect the status information, alarm events and performance parameters of each single card's function module, and transform, process and store them. Meanwhile, control and management information is transmitted to other functional modules of the equipment.
- Provide a Console interface to support simulation terminal operation
- Provide two RJ45 Ethernet interfaces to support IP-based graphical SNMP network management
- Provide 3 SFP interfaces to support in-band management of equipment, realize the processing of 3 optical monitoring channels, and complete the receiving and sending of optical signals of optical monitoring channel at each station.
- The management module is hot swappable and does not affect the normal operation of current service after failure.

Product Specification

Function	Description
Local management serial port	Support a Micro-USB local management serial port
Remote management Ethernet port	Supports two RJ45 Ethernet interfaces, interface rate 10/100/1000M adaptive
OSC optical monitoring port	Supports three pluggable optical SFP ports with LC interface
Network management method	Support CLI, Telnet, SNMP, Web and other network management methods
Exchange function	Support IP communication between devices to realize integrated management
Protection function	Plug out or failure of network management card will not affect existing service
Maintenance function	Support local or remote software online upgrade
Reset function	Support hardware reset of local NCP card by operating key

Initialization function	Support initialization of local NCP card hardware by operating key
working temperature	-10℃~+60℃
Working humidity	5%~95%
Number of occupied slots	Support OTNS8600 full range chassis, occupying 1 slot
Maximum power consumption	5W
MTBF	＞100000 hours
Default IP address of factory	192.168.1.100