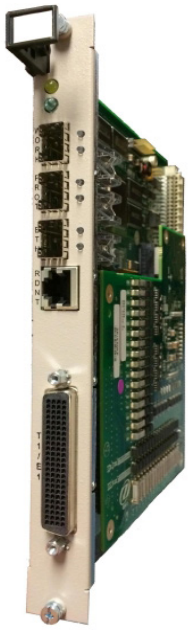
DATA SHEET

# IMACS OC3



## Features

- Three SFP cages
  - One for working optic
  - One for protect optic
  - One for Ehternet drop for IP over SONET
- RJ-45 connector to allow for switching between
- active and redundant unit (future).
- RJ21 allowing for sixteen copper terminations allowing for hairpin T1/E1 to OC3.
- User can route two STS's of IP packet data
- New IMACS 135 Watt power supply

## Overview

The IMACS OC-3 Server card (PRM-882570) at first sounds like a waste. Why would DASAN Zhone Solutions invest the time and money to develop an OC-3 interface to a channel bank that can only terminate eight T1/E1 facilities? "It's like a bee bee in a boxcar" to quote one Zhone notable. DZS recognized this issue up front, and the development effort shows why the OC-3 card in the IMACS makes sense. The OC-3 Server card terminates eight facilities to the IMACS backplane for local drop and insert functions. However it also provides the most useable optical pipe on the planet to our end customers! The OC-3 server card offering provides as many electrical T1/E1 facilities as we could cram onto the faceplate (sixteen in total) to allow our end users to hairpin existing electrical facilities into the optical pipe for transport! And if that weren't enough, DZS has also provided an SFP Ethernet port to handle two complete STS's worth of IP traffic through a SONET payload to the outside world! So instead of hogging the optical facilities all to ourselves, we instead open the pipe up to our end users to handle their existing traffic as well! Couple that with the OC-3's present and future ability to be hardware and facility protected in a line and ring environment, and you'll quickly see why the IMACS OC-3 card is a benefit to almost any customer installation! Add to that the standard IMACS almost too-easy-to-use provisioning interface – and this one's out of the park!

Bundle the new OC-3 uplink card together with one of our optical drop offerings (C37.94 compliant PRM-823760, PRM-823870 and PRM-823875), and you have a glass installation ready-made for every inductance-sensitive installation there is!

The flexibility of the IMACS platform continues with the ability to encapsulate the entire bandwidth destined for the IMACS within the OC-3 pipe, or allows the customer to funnel partial WAN facilities into the OC-3 and maintain the use of electrical WAN offerings as well! The IMACS still has the capacity to terminate eight WAN facilities to the shelf, but this offering continues the flexibility and customer-friendly IMACs offerings our customers have grown to expect in every IMACS product.

## Specifications

### WEIGHT & DIMENSIONS

- 8" x 7.5" (20cm x 18.75cm)
- .95 lbs (.43 kg)

### POWER

- 20.68 Watts, 70.57 BTU/hr

### INTERFACES

- Three SFP cages
  - Working Optic
  - Protect Optic
  - Ehternet drop for IP over SONET
- RJ-45 connector to allow for switching between active and redundant unit (future)
- RJ21 allowing for sixteen copper terminations allowing for hairpin T1/E1 to OC3.

### STANDARDS SUPPORT

- ANSI T1.105-2001
- ANSI T1.105.02-2001
- GR-253 CORE
- GR-496 CORE
- GR-63 CORE

### ENVIRONMENTAL

- Operating Temperature: 32°F to 149°F (0°C to 65°C)
- Storage temperature: 32°F to 158°F (0°C to 70°C)
- Humidity: Up to 85%, non-condensing
- Altitude: -200ft to 16,500ft (-60m to 5,000m)
- 135Watt IMACS 8000 power supplies

## Ordering Information

| MODEL | DESCRIPTION |
|---|---|
| PRM-882570 | IMACS OC3 card |
| 8000-OC3-PT2PT | IMACS OC3 card |