

# NCP-3105

1U NodeB/RNC Appliance

NEW



## Features

- Entry Level Advantech Packetarium™-based network appliance
- Four GbE RJ-45 / Four GbE SFP dual mode capable ports
- Four RJ-45 ports with metallic bypass
- Synchronous Ethernet & IEEE1588v2 support (optional)
- -20° C to 65° C wide range temperature support (optional)
- Supports one SATA SSD
- -48 V<sub>DC</sub> power supply with redundant input feeds
- NEBS Level 3 design compliant

## Introduction

The NCP-3105 represents the entry level Advantech Packetarium™ Network Appliance. It integrates powerful and multi-core Packetarium™ network processing cards for wire speed packet processing. The main carrier board provides 4 x GbE RJ-45 / 4 x GbE SFP dual-mode capable ports. A user can define the default Ethernet interface to go to either the RJ-45 ports or the SFPs. The RJ-45 ports also provide metallic bypass function. The dual -48 V<sub>DC</sub> power input design is particularly applicable for Telecom NodeB and RNC infrastructures.

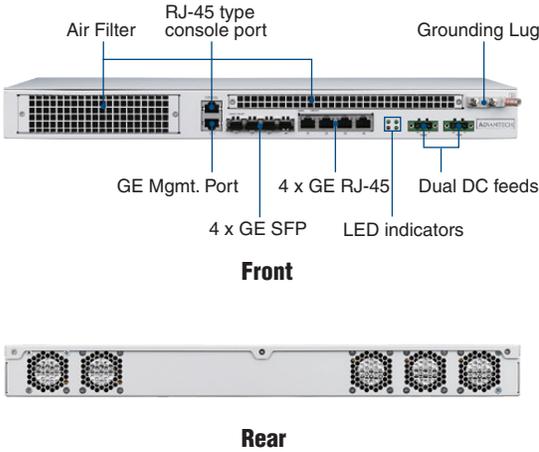
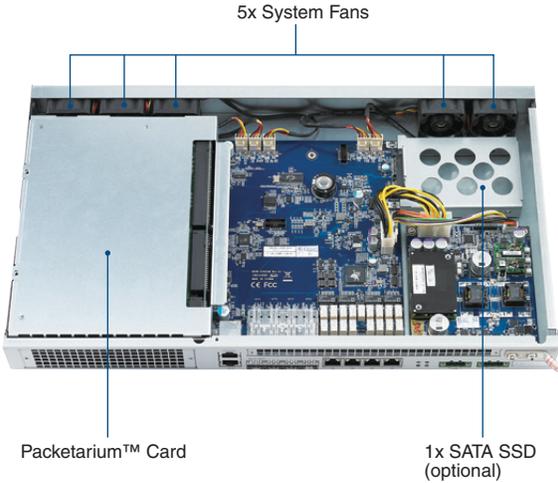
## Specifications

Processor Memory		Depends on Packetarium card
Network Interface	Data Ports	4 x GbE RJ-45 / 4 x GbE SFP with dual-mode capable ports
	Management Port	1 x GbE RJ-45 port
Hardware	Controller	Winbond W83793G
Storage	SATA	1 x 2.5" SATA 2 SSD (optional)
I/O Interface	Serial Port	1 x RJ-45 type console port
Power	Type/Watts	DC/ 200W+200W redundant input feeds
	Input	-48 V <sub>DC</sub>
Cooling	Fan	5 x fans
Environment	Operating	Temperature: 0 to 40° C Humidity: 20% to 90% RH
	Storage	Temperature: -20 to 70° C Humidity: 5% to 95% RH
Physical Characteristics	Dimensions (W x H x D)	440 x 44 x 254 mm (17.3" x 1.7" x 9.9")
	Weight	4.5 kg

## Packetarium™ Card Specification

Packetarium Card NCPB-2305 Cavium OCTEON II	Cavium OCTEON II CN6335-AAP-1.3 GHz
	2 x DDR3 DIMMs up to 16 GB
	2 x 128 MB boot flash

**Mechanical Drawing**



**Ordering Information**

Part Number	Packetarium Card Inside	Operating Temperature	Sync-E & IEEE1588v2
NCP-3105-F3D0AE	NCPB-2305 (OCTEON II CN6335-AAP-1.3 GHz)	0 to 40° C	-
NCP-3105-F3D1AE	NCPB-2305 (OCTEON II CN6335-AAP-1.3 GHz)	0 to 40° C	Yes
NCP-3105-F3D2AE	NCPB-2305 (OCTEON II CN6335-AAP-1.3 GHz)	-20 to 65° C	-
NCP-3105-F3D3AE	NCPB-2305 (OCTEON II CN6335-AAP-1.3 GHz)	-20 to 65° C	Yes