

□ Outline

This product is a management function type Layer 2 switching hub equipped with 24 ports of 10/100 / 1000Mbps compatible with Precision Time Protocol (PTP) and 4 ports of SFP + (10Gbps) as UP-Link ports.

□ Application

- Broadcast system
- Telecom system (Private 5G)
- Other control systems required for time synchronization such as electric power and IoT

□ Features

- PTP standard supported : IEEE1588v2 / SMPTE ST 2059-2 / ITU-T G.8275.1 / G.8275.2
- BC (Boundary Clock) and TC (Transparent Clock) supported.
- Achieving low jitter, TC mode : below 30nsec, BC mode: below 200nsec
- Uplink port 10G SFP + 4 ports
- Priority control by VLAN / QoS
- Redundant power supply supported
- Fanless silent design

□ Specification

Type Name	Dio B101	Dio T101	
Interface	10/100/1000BASE-T	24	
	SFP+ Port	4(10G)	
Performance	Switching Capacity[Gbps]	128	
	Switching methode	Store & Forward	
	Forwarded packet size[bytes]	64~9600	
	Buffer Capacity[bytes]	4M	
	Number of MAC address tables	32K	
Communication function	Port functionality	Auto-negotiation, Auto-MDI/MDIX , Flow control, EAP, BPDU transmission, LOOP guard, Port Isolate, Port Mirroring	
	L2 switch function	VLAN, QoS, STP/RSTP, Static LAG/LACP, IGMPsnooping	
Time synchronization	Applicable standards	PTPV2,IEEE1588v2,SMPTE ST 2059-2, ITU-T G.8275.1、 G.8275.2	
	Boundary Clock	○	—
	Transparent Clock (TC)	○	○
	BC Mode Jitter	Under 200nsec	—
	TC Mode Jitter	Under 30nsec	Under 30nsec
Maintenance management functions	CLI,Web,Telnet	CLI,Web,Telnet,SSH,TFTP,SNMPv1/v2/v3,Syslog, DHCP(Client Only),NTP(SNTP Only)	
Hardware	Size(WxDxH)[mm]	430×322×43(Excluding protrusions such as connectors)	
	Weight	4.9kg	4.8kg
	Power input	AC100~240V(50/60Hz)	
	Maximum power consumption	45W	
	Power redundancy	○	○
	Fanless	○	○
	Operating temperature/humidity (no condensation)	0~45°C/20~90%	
Accessory	2 power cords (AC100V only in Japan, 2m), 2 power cord stoppers, 19" rack mount (including 3 screws PSW 3*8, 6), 4 rubber feet		

• Dio B101 (BC/TC mode compatible version)



• Dio T101 (TC mode compatible version)



□ Contact information: HARADA Corporation



26F, JP Tower, 7-2, Marunouchi 2-Chome, Chiyoda-ku, Tokyo 100-7026, Japan
TEL +81-3-3213-8271 FAX. +81-3-3213-8399

URL <https://infocom.haradacorp.co.jp/> Email sales-info@haradacorp.co.jp