RADWIN Indoor Unit – Specifications
IDU-S Series

RW-7401-6006

Product Description

IDU-S is a carrier class indoor unit that provides 6 x POE/ODU ports, 4 X 2.5GbE, 2 X 1GbE combo, 2 X 1GbE SFP ports and 2 X SFP+ Uplink Ports up to 10GbE.

The IDU-S supports wide range DC power feeding supporting up to 540Watt, aggregating up to 34Gbps Ethernet traffic

IDU-S is a scalable solution that is compatible with RADWIN PtP and PtMP radio portfolio.

Product Highlights

- Carrier class indoor unit
- Supports up to 6x RADWIN ODUs and standard POE devices
- Two uplink SFP+ ports of 10GbE/1GbE
- Four 1GbE SFP ports for fiber connectivity
- Comprehensive L2 switching capabilities

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Product Specifications:

Ethernet Interface	
PoE interfaces	6 x PoE ports operating in standard/legacy mode;Up to 90W per port; 802.3af/at/bt and all RADWIN ODUs;
Connector Type	RJ-45
Impedance	100Ω, Auto-negotiation 2.5Gbps/1Gbps/100Mbps, IEEE 802.3u
SFP ports	2 x 10/1GbE, 2 x 1GbE, 2 x 1GbE (Combo)
Copper Ports	4 x 2.5GbE (100,1GbE,2GbE), 2 x 1GbE (10/100/1GbE)
Console Port	RJ-45 (RS-232)
Grounding	Ground wire connection point
LEDs	2x DC Power, 1x System, 2x POE and Link/Act/Speed mode selection, 2x (POE and Link/Act/Speed) for each POE port, 1x Link/Act/Speed for each SFP/SFP+ port
Cable Length	Up to 75m
Mechanics	
Dimensions	22(w) x 4.5(h) x 24(d) cm
Weight	2.5 kg / 5.51 lbs
Power	
Total PoE budget	540W
Power Feeding	2x DC IN redundant power feeding; 48-57VDC, up to 10A at 57V (full POE load) 802.3af @48-57VDC; 802.3at @50-57VDC; 802.3bt @52-57VDC
Device Power Consumption	<30W (without PoE)
Environmental	
Operating Temperatures	0°C to 45°C
Humidity	Up to 100% non-condensing
Safety	
TUV	IEC/EN 62368-1, CAN / CSA-C22.2 No 6
EMC	
ETSI	EN 300 386
FCC	Class A Part 15 Subpart B
CAN/CSA	ICES 003 CISPR 32 Class A
AS/NZS	CISPR32 Class A
Switch Capabilities	
MAC Addresses entries	16K
Switching Capacity	68Gbps
Forward Rate (PPS)	58M
Maximum Frame Size	9600 Bytes (Jumbo Frame)
L2 Features	
Auto-negotiation	As part of LAN protocol
Auto-MDI/MDIX	As part of LAN protocol
VLAN	Up to 4K; VLAN group; Tagged based
Link Aggregation	803.ad + with LACP; LACP Link aggregation group - 5 groups; Static Trunk
IGMP snooping	IGMP Snooping V1/V2/V3; IPv6 MLD snooping
Storm Control	Broadcast; Multi-Cast; Unicast
Spanning Tree	STP (802.1d); RSTP (802.1w); MSTP (802.1s)
Flow Control	802.3x (Full); Back-Pressure (Half)
QOS Features	
Number of priority Queues	8 queues per port
Rate Limiting	Support Ingress & Egress – Resolution of 1Kbps
Scheduling	WRR; Strict; Hybrid
Class of Service	IEEE 802.1p; DiffServ (RFC2474)
Security Features	
RADIUS	Authentication; Authorization
HTTPS & SSL	Secure Web
SSH 2.0	Secure CLI
ACL	L2/L3/L4
802.1x	Port based Access Control
Management Features	
Telnet/SSH	Support
HTTP/HTTPS	Support
FTP/FTPS	Required for software upgrade
SNMP	V1/V2c/V3
NTP	Support
LLDP	Support
Port Mirroring	Support

Ordering Info
Part Number: RW-7401-6006
Description: Managed switch IDU-S/HP, 6 x POE/ODU ports, 2x 10Gbe/1Gbe SFP+

Datasheet information can be changed by manufacturer without prior notice