



The Wireless Infrastructure Experts

## Star Microwave Smart IDU

### Microwave Wireless TDM Transport Solution

Smart Indoor Unit (S-IDU) is the ultimate TDM over IP solution for carriers' Ethernet services with ultra low latency and low jitter connectivity

Star Microwave S-IDU enables transmitting up to 4 E1/T1 over SM Sygnus SHC, VHC Point-to-Point wireless backhauls with ultra-low latency, low jitter connectivity, 1+1 backup redundancy and minimal power consumption.

Star Microwave S-IDU is a TDM over IP solution that converts E1/T1 streams into packets for transmission over the network. The ASIC-based architecture provides a robust and high performance solution with minimal processing delay..



### Product Features

Scalable 1x E1/T1 up to 16x E1/T1 via software upgrade

Support for both framed and unframed E1/T1

2x GigE 10/100/1000 Base-T Ethernet interfaces

ASIC-based architecture minimizes processing delay

Configurable jitter buffer compensates for network packet delay variation

Built-in 802.1p & 802.1q based Quality of Service (QoS)

4+4 dry contact alarms

### Highlights

1+1 hot standby with automatic switchover less than 50ms.

Highest capacity, extremely low latency and interference rejection technologies are optimized for TDM over IP traffic.

Built in GigE PoE

Fully integrated with NMS, SNMP and webbased management.

## Star Microwave S-IDU port Description

### 48VDC power ports

Dual power supply input for power redundancy.

- Left: -48VDC
- Center: GND
- Right: +48VDC

### ODU GigE PoE port

10/100/1000Base-T Gigabit PoE, connected to Sygnus SHC, VHC.

### 1+1 port

1+1 Hot standby port for TDM redundancy mode.

### GigE LAN ports

10/100/1000Base-T Gigabit LAN ports.

### TDM ports

E1/T1 ports

### Dry contact alarms port

4 Outputs + 4 Inputs dry contact alarms.

