

Application Scope

Kymata provides a groundbreaking solution for indoor and outdoor radio coverage in extensive logistical and industrial areas. Kymata antennas and amplifiers effectively and economically resolve signal issues, ensuring superior performance.

The intuitive management through a web interface and SNMP offers complete and immediate control of industrial wireless networks.

IPDIICS Protection Module

The IPDIICS is a passive accessory specifically designed to enhance protection and redundancy in industrial Wi-Fi networks. It allows two Access Points (APs) to be connected to a single Kymata antenna in a 1+1 Cold-Standby configuration, ensuring continuous network availability and reliability in critical environments. In this setup, the primary AP's TRx radio module is active, while the secondary AP remains in mute mode, ready to take over if needed.

Supporting dual-band operation up to 6GHz, the IPDIICS is ideal for modern and robust wireless installations, providing effective protection for uninterrupted service.

Key Features

- **1+1 Cold-Standby Protection**
 Connects two Access Points to a single Kymata antenna, with only the primary AP active, ensuring high network reliability and seamless failover.
- **Dual-Band Operation**
 Seamlessly transitions between Access Points, maintaining network performance without manual intervention.
- **Passive Design**
 Operates without the need for external power, relying on the connected APs, simplifying integration into existing systems.

Benefits

- **Enhanced Network Reliability**
 Provides a robust failover mechanism, minimizing downtime and ensuring continuous operation in critical environments.
- **Optimized Performance**
 Seamlessly transitions between Access Points, maintaining network performance without manual intervention.
- **Flexible Integration**
 Easily integrates into existing Kymata antenna setups, supporting advanced network architectures for industrial use.



Technical Specifications

Protection Mode	Cold Standby 1+1, Primary AP (ON), Secondary AP (Mute)
Operating Frequency	2~6 GHz
Insertion Loss	3.5 dB @ 2.4 GHz \pm 0.3 dB 4.2 dB @ 5.4 GHz \pm 0.3 dB
Number of APs Supported	2
AP Channelization	All channels
Adjacent Channel Rejection	<18 dB
Connector Type	3 x N female
Supported Antenna Models	ANT2L, ANT2C, ANT5L, ANT5C, ANT5MM, ANT5AW Series

Connection Scheme

