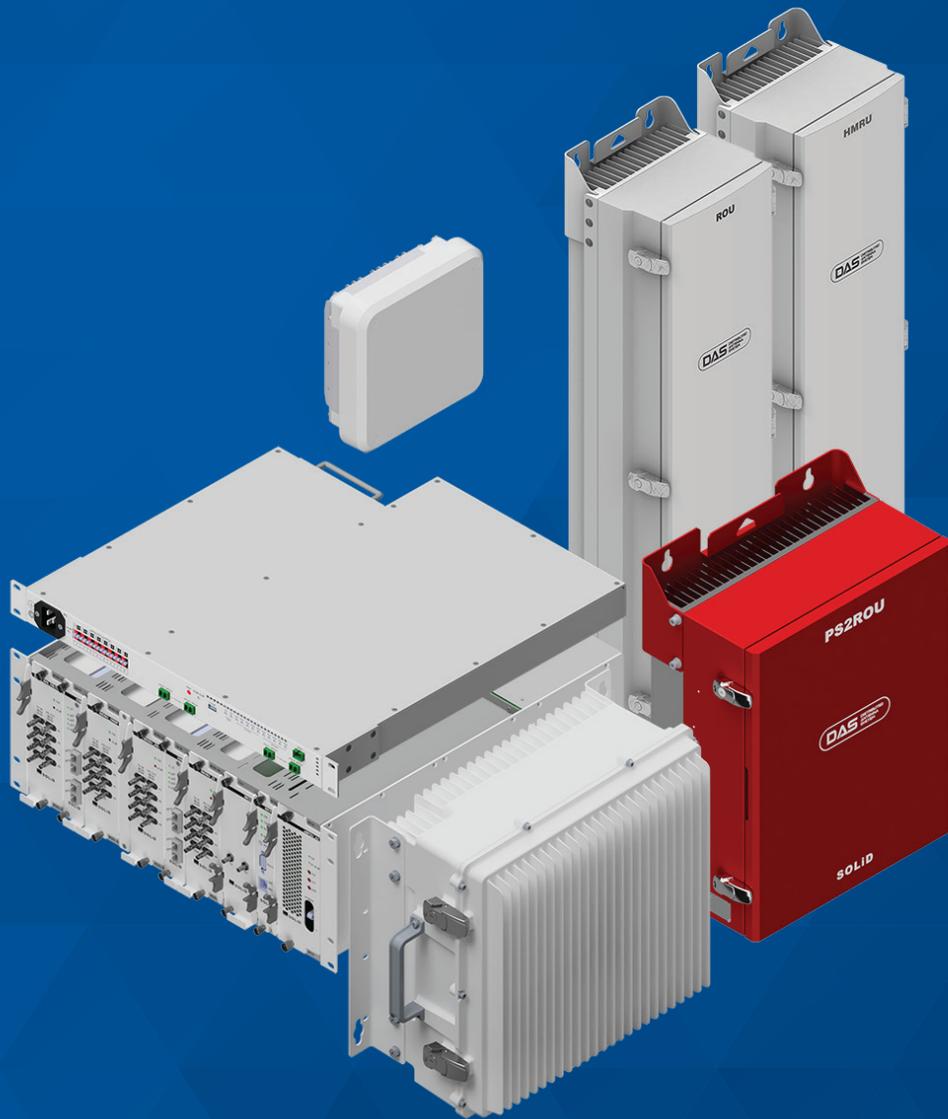


# **SOLID ALLIANCE DAS**

**INTEGRATED <1W, 2W, 5W, 20W and  
40W COVERAGE AND CAPACITY**



**A modular, multi-operator DAS solution that supports public safety communications, 2-way radio, and commercial wireless services - all delivered over a single fiber and common headend.**

**SOLID**  
**solid.com**

ALLIANCE DAS can be efficiently expanded from one building to many others using SOLiD iOEU optical multiplexing devices. Each expansion link requires only a single strand of fiber.



# SOLID ALLIANCE MULTI-OPERATOR DAS TOPOLOGY OVERVIEW

## DMS1200 System Management



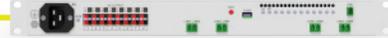
## iODU Optical Interface



## iBIU Signal Interface



## edgeHUB



## edgeROU



## 2W N2ROU



## 5W MROU



## 20W HROU



## 40W HROU



The ALLIANCE platform is SOLiD's multi-operator, neutral host Distributed Antenna System (DAS), which efficiently delivers wireless RF signals into buildings, campus environments, stadiums, airports, or any location that is difficult to cover with outdoor macro wireless networks.

ALLIANCE DAS supports a broadband frequency range from 150 MHz to 4 GHz to provide coverage for public safety communications, 2-way radio, and commercial wireless service providers.

SOLiD ALLIANCE <1W, 2W, 5W, 20W and 40W DAS systems are built utilizing SOLiD components and amplifiers that are engineered to work together seamlessly. This leads to highly flexible designs, deployments that save power and space, and reduces the total cost of ownership.

# SOLID ALLIANCE FIBER2ANTENNA DAS FIBER-TO-THE-EDGE ARCHITECTURE



## ALLIANCE edgeHUB

(Fiber2Antenna edge HUB)

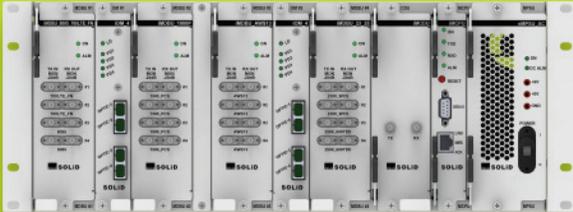
Transmits optical signals from the headend and provides power to the edgeROUs.

## ALLIANCE edgeROU

(Fiber2Antenna edge REMOTE UNIT)

A small footprint allows for flexible mounting options on a wall or ceiling. Available with internal or external antenna.

# SOLID ALLIANCE MULTI-CARRIER DAS EFFICIENT, MODULAR, POWERFUL



## ALLIANCE iBIU

(INTEGRATED BASE STATION INTERFACE UNIT)

The central input point (headend) for all signals delivered over the DAS. In the iBIU, each signal input is independently filtered, attenuated, and controlled.



## ALLIANCE DMS

(DAS MANAGEMENT SYSTEM)

The alarming, diagnostic, and control interface for the SOLiD DAS. The DMS provides network intelligence for comprehensive DAS management.



## ALLIANCE iODU

(INTEGRATED OPTICAL DISTRIBUTION UNIT)

Performs RF to optical conversion and transports these signals over long distances while minimizing loss. The iODU is co-located with the iBIU from which it receives power and RF communication.



## ALLIANCE iOEU

(INTEGRATED OPTICAL EXPANSION UNIT)

An optical multiplexing device used to efficiently extend the DAS from one building to many others.



## ALLIANCE ROU

(REMOTE OPTICAL UNIT)

Available in 2W, 5W, 20W and 40W versions, the ROU receives optical signals from the headend, converts these to RF, amplifies them, and then combines the RF for transmission to one or more antenna ports.



## ALLIANCE PS2ROU

(PUBLIC SAFETY 2W REMOTE UNIT)

Designed with a rugged enclosure to meet the latest fire codes and dedicated to supporting public safety, paging and 2-way communications.



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