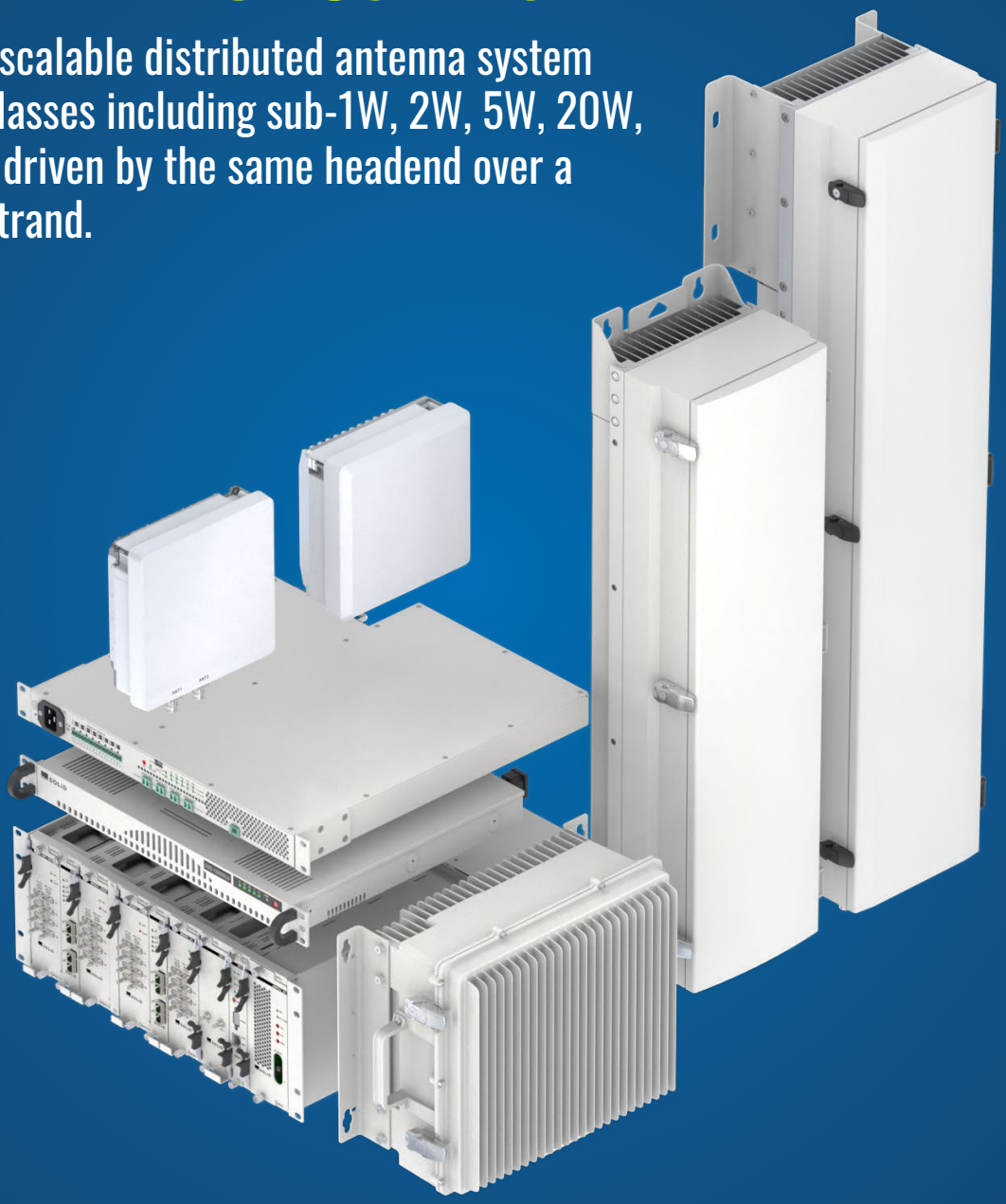
SOLiD ALLIANCE 5G DAS

Modular and scalable distributed antenna system with power classes including sub-1W, 2W, 5W, 20W, and 40W, all driven by the same headend over a single fiber strand.



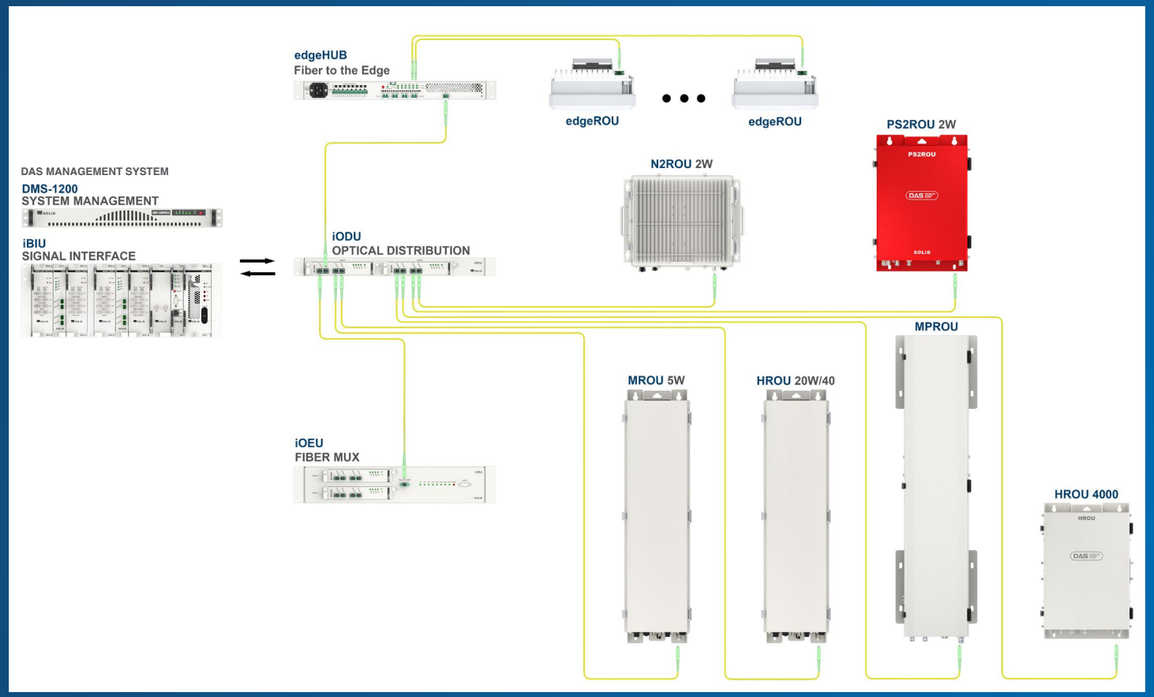
Solve all your in-building wireless coverage, capacity, and reliability problems with the SOLiD ALLIANCE DAS. Our multi-carrier, neutral host solutions are 5G-ready and support all cellular bands below 4 GHz.

SOLiD™

SOLiD ALLIANCE 5G DAS

Topology Overview

Our modular amplifiers cover every band used for commercial cellular communications, private networks, two-way radio, paging, and public safety from 150 MHz to 4 GHz



The SOLiD ALLIANCE 5G DAS efficiently delivers mobile network signals into commercial buildings, hotels, hospitals, airports, subways, stadiums, and any location where the outdoor network does not deliver the necessary in-building wireless coverage and capacity. SOLiD ALLIANCE remotes reduce the total cost of ownership with low power consumption, modularity to prevent rip-and-replace scenarios, and the highest bandwidth capability in the industry.

The SOLiD ALLIANCE platform consists of headend equipment and remote optical units (ROUs). The headend equipment includes the iBIU signal interface and the DAS management system. The SOLiD ALLIANCE ROUs provide ultimate design flexibility resulting from multiple power classes, modularity, and scalability. There are three subsets of ROUs: traditional Fiber2Coax, new Fiber2Antenna, and Public Safety.

Faster Speeds

More Capacity

Multi-Operator Support

SOLiD ALLIANCE 5G DAS

Headend Equipment

The iBIU serves as the DAS headend receiving RF signals from and sending RF signals to the mobile network operators' (MNO) signal sources. The iBIU combines the MNO's RF signals and transmits optical signals over fiber optic cables throughout the building or campus environment to the DAS remotes, including the N2ROU, MROU, HROU, mid-band HROU, and MPROU.

ALLIANCE DMS
DAS MANAGEMENT SYSTEM

Features and Benefits:

- ioXt Certified
- Real-time alarm monitoring
- Centralized DAS management
- Web-based management
- Configurable SNMP traps
- Supports private MIB files
- Alarm control hysteresis, alert level, troubleshooting, masking
- E-mail notification
- Automatic and manual backup
- Programmable dry contacts

ALLIANCE iBIU

Features and Benefits:

- Integrates all headend features in a compact 4RU chassis
- Fully modular to protect your investment
- Up to 16 RF service connections per chassis
- Secondary chassis option available for additional services
- Uplink and downlink Automatic Level Control (ALC)
- AC and DC power supply options
- RF conditioning Points of Interface
- POI's available in high-power, low-power, and hybrid versions
- Duplex and simplex connections
- Two optical modules support up to eight remotes

ALLIANCE iODU

Features and Benefits:

- Expands the optical port capacity of a DAS sector
- One rack unit chassis supports up to two optical modules
- Supports one and four-port optical modules

ALLIANCE iOEU

Features and Benefits:

- Conserves fiber optic strands between buildings
- One fiber optic strand connects to the headend
- Supports up to eight DAS remotes
- Two rack unit chassis supports up to two optical modules

SOLiD ALLIANCE 5G DAS

FIBER2COAX

ALLIANCE 5G DAS is SOLiD's multi-operator, neutral host platform. Our FIBER2COAX solutions provide traditional hybrid fiber and coaxial DAS remote solutions. All ALLIANCE remotes use the iBIU headend providing maximum design flexibility. The FIBER2COAX remote units receive optical signals from the iBIU, convert the signal to Radio Frequency (RF), amplify it, and then combine the RF for transmission over coaxial cables to antennas located throughout the building or campus. Fiber2Coax remotes are available in 2W, 5W, 20W/40W, multi-power, and high-power mid-band versions.

ALLIANCE MID-BAND HROU

Features and Benefits:

- Supports C-Band (3.45-3.55 and 3.7-3.98 GHz)
- Up to four amplifiers supporting SISO or MIMO over a single fiber
- Fully occupied bandwidth in every band
- 16W output power 3.45-3.55 GHz
- 32W output power 3.7-3.98 GHz
- Rugged construction: UL Type 4X certified

ALLIANCE MPROU

Features and Benefits:

- 5W and 20W power per frequency band
- One to seven frequency bands per cabinet on one fiber strand
- Supports all commercial bands from 600 to 2700 MHz
- Multi-band combiner provides one antenna port
- External fan cooled
- Rugged construction: UL Type 4X certified

ALLIANCE HROU

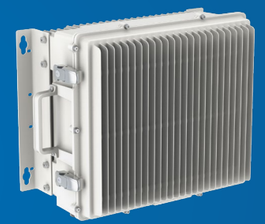
Features and Benefits:

- 20W and 40W options for power per frequency band
- One to four frequency bands per cabinet
- The main cabinet, HROU, is fiber-fed from the headend
- Expansion cabinet, HARU, has coaxial connections to HROU
- Up to eight frequency bands on one fiber strand
- Available with one, two, or four antenna ports

ALLIANCE MROU

Features and Benefits:

- 5W of power per frequency band
- One to seven frequency bands in one remote
- Up to nine frequency bands on one fiber strand
- Available with one or two antenna ports



ALLIANCE N2ROU

Features and Benefits:

- 2W of power per frequency band
- Four to seven frequency bands in one remote
- Up to nine frequency bands on one fiber strand

ALLIANCE PS2ROU

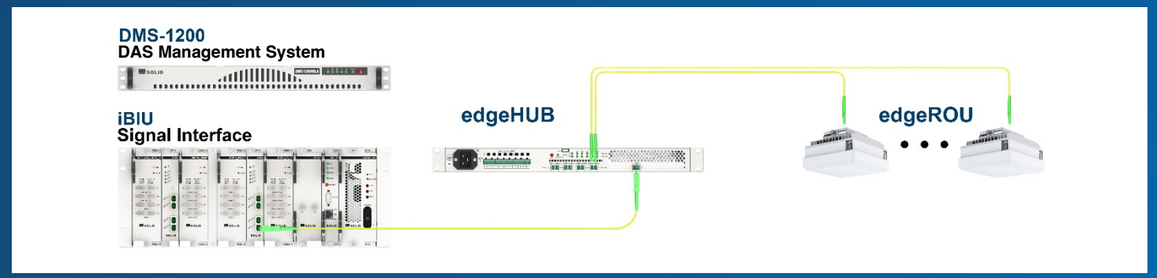
Features and Benefits:

- Rugged Construction: UL50E Type 4X enclosure
- 700, 800, 900 MHz at 2W per frequency band
- 150 and 450 MHz at 24 dBm per frequency band
- One to five frequency bands per cabinet
- Supports public safety, paging, and two-way radio
- Six external alarms, programmable as inputs or outputs

SOLiD ALLIANCE 5G DAS

NEW! FIBER2ANTENNA Remote Optical Units

The edgeROU joins the ALLIANCE 5G DAS platform as a fiber-to-the-edge active DAS remote. It uses the same headend equipment (iBIU) as all other ALLIANCE DAS remotes. The edgeHUB receives optical signals from the iBIU and distributes the signals and power to multiple remote edgeROU units on each floor. The ceiling or wall mounted edgeROUs, convert the optical signals into Radio Frequency (RF) and amplify them. Band-specific antennas in the edgeROU transmit the signals over the air to mobile devices. Some models of edgeROU have external antenna ports that combine multiple bands for connection to external antennas.



ALLIANCE edgeHUB

Features and Benefits:

- Conserves vertical fiber strands – one strand from MDF to IDF
- Provides a fiber optic multiplexer to feed eight edgeROUs directly
- Supports optical cascade and add-on to deliver signal to up to 32 edgeROUs
- Provides DC power for up to 16 edgeROUs

ALLIANCE edgeHUB WDM

Features and Benefits:

- Supports 2x2 MIMO edgeROUs
- Conserves vertical fiber strands – one strand from MDF to IDF
- Provides a fiber optic multiplexer to feed eight edgeROU directly
- Supports optical cascade and add-on to deliver signal to up to 32 edgeROU
- Provides DC power for up to 16 edgeROU (limit of eight edgeROU_40403434)

ALLIANCE EPSU

Features and Benefits:

- Powers edgeROUs that can't be powered directly from the edgeHUB.
- Optional device to provide power for edgeROU not powered by an edgeHUB
- Supports three modular power supply units
- Each modular power supply unit provides DC power for up to 16 edgeROU

ALLIANCE edgeROU

Features and Benefits:

- Smallest, most attractive, highest power, and lowest cost active DAS remote available!
- Easy to install, like Wi-Fi, using the same labor skills available from the low-voltage installers already working in your building
- Available with integrated antennas or external antenna ports
- Aesthetically pleasing --when installed on the ceiling, it has a low profile with only 1.5" exposed
- Provides the entire bandwidth of up to four frequency bands with up to 24 dBm per band before the antennas
- Main and add-on edgeROU configurations support up to eight bands over a single fiber strand.

Available in five versions depending on band requirements.

Version 1: Main: 700 / PCS / AWS / 2500T – Add-on: 600 / 8085 / WCS / CBRS

Flexible band combination is ideal for most venues. The main edgeROU features four common bands used by the mobile network operators, while the add-on edgeROU provides four additional bands. Note: the approval for CBRS on DAS is pending. Available in models featuring both internal and external antennas.

Version 2: Main: PCS / AWS / WCS / 2500T – Main: 600 / 700 / 8085 / CBRS

Band combinations designed to interface with the highly directional antennas typically used at high-capacity venues such as stadiums and arenas. This version is Available in main models with external antenna ports only. Note: the approval for CBRS on DAS is pending.

Version 3: Main: 700 / 8085 / PCS / AWS Version

Includes the core four frequency bands used by two mobile network operators. Available in models featuring both internal and external antennas.

Version 4: Main: C-Band MIMO (3.7-3.98 GHz) – Add-on: C-Band MIMO (3.45-3.55 GHz)

Features the main edgeROU supporting 2x2 MIMO for the C-Band 3.7 GHz while the add-on edgeROU provides 2x2 MIMO for C-Band 3.45 GHz. Available in models featuring both internal and external antennas.

Version 5: Main: C-Band MIMO 3.45-3.55 & 3.7-3.98 GHz

This version (available July '23) includes internal and external antenna models.

Unmatched Performance, Low Cost and Easy to Install

The SOLiD ALLIANCE 5G DAS platform efficiently delivers reliable cellular coverage into any building, campus, stadium, or airport. With great aesthetics, edgeROU technology features the smallest, most powerful DAS remotes on the market. The scalable solution is easy to install, includes four cellular frequency bands, and expands to eight with an addon remote.

EDGE CONNECTIVITY. SOLiD COVERAGE.

SOLiD enables indoor and outdoor cellular and public-safety communications at many of the world's best-known and most challenging venues. From the busiest airports and subways to Fortune 500 corporate buildings, hospitals, hotels, universities, professional and college sports venues, and government, industrial, and logistics facilities, SOLiD's modular solutions scale to every challenge. SOLiD continuously innovates to deliver best-in-class solutions with ALLIANCE 5G DAS, RocketWAVE 5G repeaters, Infinity Access optical fronthaul and backhaul, and Open RAN (O-RAN) networks.

To learn more about our unmatched cellular coverage solutions,visit solid.com/us/ or call 1-(888) 409-9997.

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SOLiD™