

SOLID TECHNOLOGIES TITAN™ 20W MULTI-BAND DAS

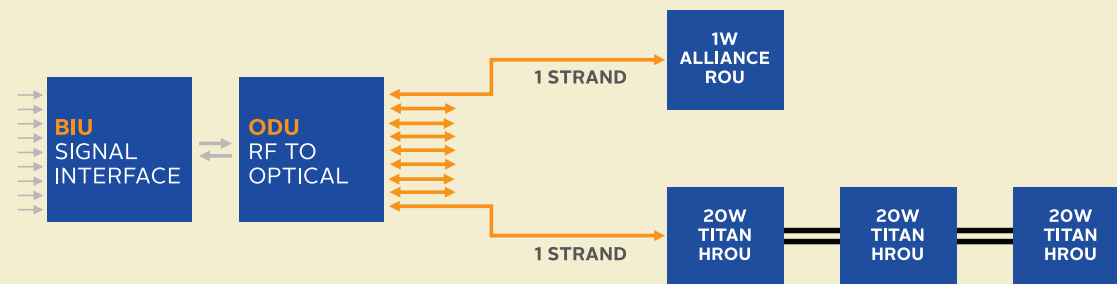
GENERAL SPECIFICATIONS

HROU PARAMETERS	TITAN MRU	TITAN ARU
Main Power	110VAC or 48VDC	
Empty Chassis Power Consumption	50W	40W
Optical Link Budget	10dbo	-
Fiber Type	Single mode	-
Optical Connector	SC/APC	-
Optical Return Loss	45 db	-
Number of Antenna Port, N-Type	3	3
Number of Extension-Port, SMA	6	2
Maximum Number of Add-on ARU's	3	-
Operating Temperature Range	-30° to +55°C	-22° to +131° F
Humidity	0-90%, Non-condensing	
Size, Inches (Width x Height x Depth)	14" x 27.5" x 11"	
Weight	61.7 lbs.	59.5 lbs.
Optional Fan Noise	< 60db	< 60db
Battery Backup Port	Yes	Yes
Enclosure Protection	NEMA4X	

RDU AMPLIFIER PARAMETERS

Category	SPECIFICATION PER RDU							
	1900PCS	850Cellular	700LTE	AWS	700PS	800I/PS	900IDEN	
Frequency Range, MHz	TX 1930 to 1995 RX 1850 to 1915	869 to 894 824 to 849	728 to 756 698 to 716 777 to 787"	2110 to 2155 1710 to 1755	758 to 775 788 to 805	851 to 869 806 to 824	929 to 941 896 to 902	
Composite power, dBm (per band/RDU)	44.5	44.5	44.5	44.5	43 @ IDEN 44.5 @ LTE	43 @ IDEN 44.5 @ LTE	43	
Spurious emission mask, dBm	<-13/1MHz	<-13/30KHz	<-13/30KHz	<-13/1MHz	<-13/30KHz	<-13/30KHz	<-13/30KHz	
Noise figure of RX, dB (1 remote)	< 8	< 8	< 8	< 8	< 8	< 8	< 8	
Delay, usec (end to end no fiber)	TX < 1.5 RX < 1.5	< 2 < 6	< 2 < 2	< 2 < 2	< 2 < 5	< 2 < 5	< 1 < 2	
Passband Ripple, dB	4	4	4	4	4	4	4	
Power consumption, W	350	300	300	300	320	320	320	
Monitoring Port, TX output only, dB	40±2	40±2	40±2	40±2	40±2	40±2	40±2	
Size, inches (Width x Height x Depth)	6.4 x 12.2 x 4.4	6.4 x 12.2 x 4.6	6.4 x 12.2 x 4.7	6.4 x 12.2 x 4.4	6.4 x 12.2 x 5.2	6.4 x 12.2 x 5.1	6.4 x 12.2 x 4.8	
Weight, Lbs.	15.4	13.2	15.4	13.2	15.4	14.3	14.3	

TOPOLOGY OVERVIEW: ALLIANCE HEAD END MIX & MATCH



For more information or complete technical specifications, please visit our website or contact us via email or phone.



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FEATURES

FLEXIBLE CONFIGURATIONS
Common head end with ALLIANCE and EXPRESS DAS products

GUARANTEED RF POWER CONTROL
Carriers can lock-in power level as designed

4G CERTIFIED
MIMO in any band

NFPA 72 COMPLIANT
Meets latest fire code equipment requirements

NEMA 4X CERTIFIED
Perfect solution for harsh environment installations

QUALITY CHECKED
Test results provided for each component, systems fully bench tested

BENEFITS

LOWER DAS EQUIPMENT COSTS
Higher efficiency results in fewer system components

3 YEAR STANDARD WARRANTY
Optional Lifetime Warranty

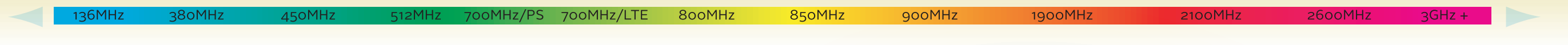
FIBER EFFICIENCY
One strand supports up to 8 frequency bands

EASY TO PLACE EQUIPMENT
Wall or pole mounting

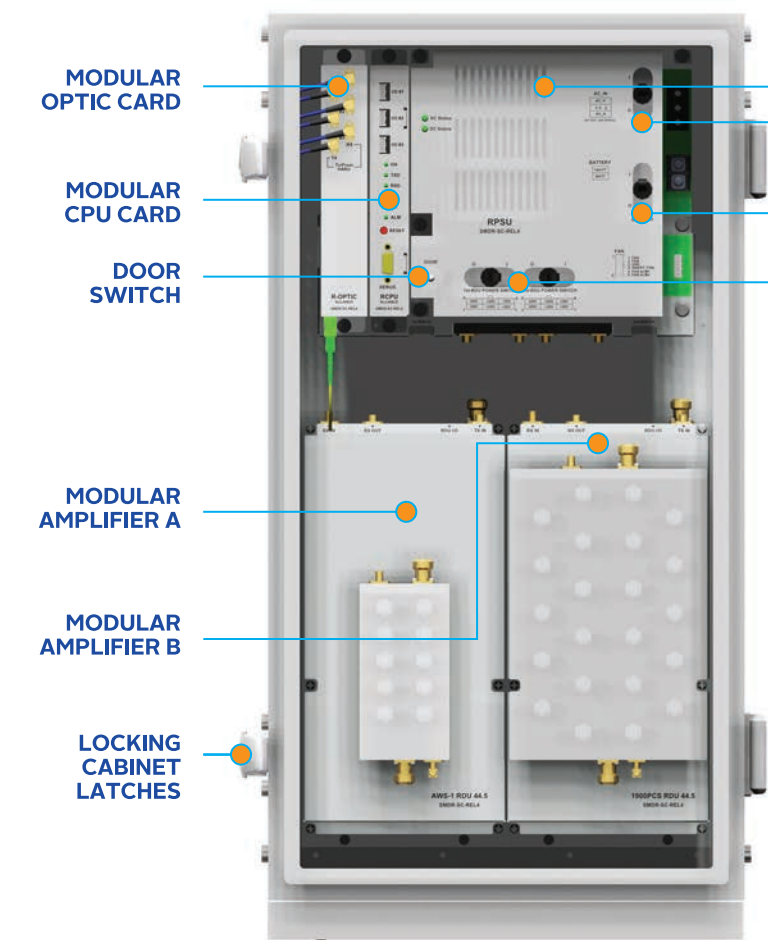
PRE-CONFIGURATION
Each system is pre-configured and labeled to simplify installation

EASIER MAINTENANCE
Hot-swappable, modular design

SOLID'S TITAN™ 20W REMOTES SHARE A COMMON HEAD END WITH ALLIANCE™ AND EXPRESS™ ALLOWING MIX & MATCH DAS DESIGN APPROACHES.



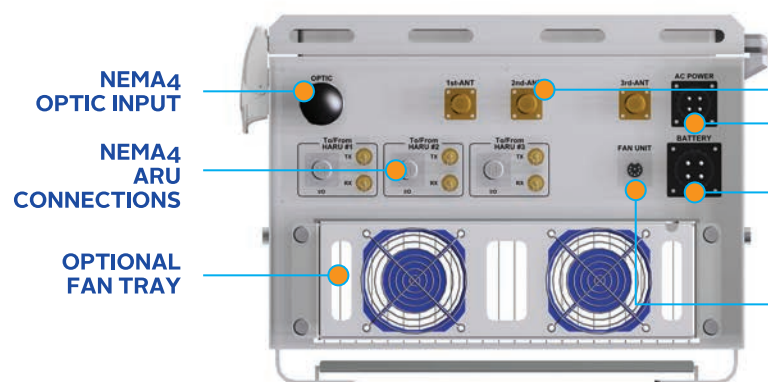
SOLID TITAN 20W DAS: EFFICIENT, MODULAR, POWERFUL.



- MODULAR POWER SUPPLY
- AC POWER SWITCH
- BATTERY POWER SWITCH
- AMPLIFIER POWER SWITCHES

FEATURES
Integrated Multi-Carrier Head End
1 to 8 frequency band configurations
Compact design allows for pole, rack, or wall mount
SISO on (1) one fiber, MIMO on (1) or (2) fibers

BENEFITS
Flexible designs for high capacity venues
Single fiber reduces labor and material costs
Several mounting options
Single-view DAS Management System



- N-TYPE ANTENNA CONNECTIONS
- NEMA4 AC INPUT
- NEMA4 BATTERY INPUT
- FAN CONNECTION

TITAN 20W REMOTE

HROU: HIGH POWER REMOTE OPTICAL UNIT (HMRU AND HARU)
HMRU: HIGH POWER REMOTE UNIT
HARU: HIGH POWER ADD-ON REMOTE UNIT

