



SOLiD


Simple | Easy | Flexible | SOLiD

SOLiD GENESIS™-E DAS

The most advanced, flexible, easy to deploy DAS available.

SOLiD GENESIS™-E DAS is a new wireless coverage platform, designed to meet the evolving requirements of all scales, from the small to large venues.

The GENESIS™-E approach incorporates innovative software and hardware features that simplify installation and configuration, delivers 100% user control, and increases flexibility for all verticals and applications.



GENESIS™-E System Specifications

GENESIS™-E General Specification

Item	Specification								Remark
Frequency Band	700	800	900	1800	2100	2600	2300	2600	
Instantaneous Bandwidth	30MHz	30MHz	35MHz	75MHz	60MHz	70MHz	60MHz	50MHz	
Technology	LTE	LTE	GSM UMTS LTE	GSM UMTS LTE	UMTS LTE	LTE(FDD)	LTE(TDD)	LTE(TDD)	
Transmission Capacity	10Gbps								
Transmission Distance	Up to 30km E2E @Optic, <100m@twisted wire (CAT6A)								
VSWR	< 1.4 : 1								
Frequency Error	±0.01ppm								
System Delay	< 12usec, +1.0usec raise per node in daisy chain, EDAU)								

GENESIS™-E Mechanical Specification

Item	Dimensions (W x H x D)	Weight	Power Consumption	Power Connector Type
UPOI	19" x 3U x 475mm	31kg	25W (with UPIUs fully loaded)	D-SUB 25P male
DAU	19" x 3U x 475mm	17.5kg	370W (with DRFUs fully loaded, incl. UPOI)	IEC320/C14
DCU	19" x 1U x 420mm	4.4kg	36W	IEC320/C14
HCU	19" x 1U x 450mm	6.5kg	820W (with LRNs ports fully connected)	IEC320/C14
HOU	19" x 1U x 450mm	6.5kg	820W (with LRNs ports fully connected)	IEC320/C20
LRNc/o	265 x 265 x 80mm	4.4kg	70W (with LRFUs fully loaded)	Terminal block(LRNo)
MRN	324 x 422 x 165mm	22.5kg	300W (with MRFUs fully loaded)	Circular push pull connectors
HRN	460 x 650 x 252mm	45kg	850W (with HRFUs fully loaded)	MIL-5015

GENESIS™-E Connector Types, Cooling Fans and Noise Level Specification

Item	Input Connector Type	Output Connector Type	Input Voltage	Cooling Fans	Noise Level
UPOI	24 * 4.3-10_F ports for RAN	24 *QMA_F ports for DAU	Powered by DAU	Yes	Max. 65dBA
DAU	24 * DL/UL ports: QMA_F for RAN 24 * UL ports: QMA_F for RAN 24 * Monitoring ports: MCX_F for DCU	2 * Optic ports for E-DAU 8 * Optic ports for HCU/HRN	AC 110/220V, DC -48V	Yes	Max. 65dBA
DCU	24 * QMA_F to DAU	2 * QMA_F ports for T-Sync.	AC 110/220V, DC -48V	No	N/A
HCU	1 * Optic port for DAU	1 * Optic port for HCU 8 * PoE ports: RJ-45 for LRN	AC 110/220V, DC -48V	Yes	Max. 65dBA
LRN	1* PoE port: RJ45 for HCU	4 * SMA_F ports for Ext. ANT's	DC 57V@PoE from HCU or HOU(LRNo)	No	N/A
MRN	1 * Optic port for DAU	1 * Optic port for daisy-chained MRN 1 * Optic port for extended MRN 1 * 4.3-10_F for ANT's	AC 220V	No	N/A
HRN	1 * Optic port for DAU	1 * Optic port for daisy-chained HRN 1 * Optic port for extended HRN 2 * 4.3-10_F for ANT's	AC 220V	Yes	Max. 60dBA

Connect with SOLiD

SOLiD helps people stay connected and safe in a rapidly changing world through a portfolio of the digital DAS for the various venues. SOLiD enables indoor and outdoor cellular and public-safety communications at some of the world's best-known and most challenging venues including leading hospitals; professional and college sports venues; government, university and Fortune corporate buildings and campuses; international airports and metropolitan subways.

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