UAVSale

Fixed Wing UAV Airborne SATCOM ST280

MD-P00283 · md-fixed-wing-uav-airborne-satcom-st280

Fixed Wing UAV Airborne SATCOM ST2800

TECHNICAL SPECIFICATIONS

MODEL	ST280
Dimension (Diameter*height)	400mm 395mm
Weight	13kg
Frequency range	RX：10.70～12.75GHz TX：13.75～14.50GHz
Type	Panel waveguide horn array
Receive G/T(pitch 10)	7.4dB/K（Normal temperature @27°C,LNB noise factor @0.9dB,Radome excluded）
Transmit EIRP(dBW)	43.1dBW（40W BUC, Radome excluded）
GAIN（RX）	28.7dBi@12.5GHz
GAIN（TX）	30.1dBi@14.25GHz
Cross pollsolation	30dB
Power consumption	90W(40W BUC excluded)
Azimuth range	360 continuous rotation
Pitch range	0 ～90
AZ/EI Velocity	＞60 /s
AZ/EI acceleration	＞100 /s2
Tracking accuracy	0.2 RMS
DC power	DC18~32V
Operating temperature	-40°C ~ +75°C
Altitude	16800Meters(55000Feet)
Dimension	L416mm W220mm H110mm
Power	60W
Item	Specification
Network topology	Star / ~

Downstream	Upstream
DVB-S2	ATDMA
Modulation	QPSK，8PSK，6APSK，32APSK / BPSK，QPSK，8PSK
FEC	LDPC，1/4 - 8/9 / 2D 16-State，1/2 - 6/7
Max Symbol Rate	1～45Msps / 128ksps～7.5Msps
Max information rate	149.7Mbps / 19.2Mbps
Max IP Data Rate	59.2Mbps / 16Mbps
Satellite Comm Interface	Tx IF：Type-F，950～1950MHz，+3dBm/-35dBm Rx1/Rx2*IF：Type-F，950～2150MHz，-5dBm(max) composite/-130+10*Log10(Sym rate)dBm(min) single carrier 10MHz/50MHz IFL BUC reference
Data Interface	LAN: 8-port Ethernet switch, 10/100, 802.1q VLAN RS-232,RJ45(console connection)
Supported Protocols	TCP，UDP，ACL，ICMP，IGMP，RIP Ver2，Static Routes，NAT，DHCP，DHCP Helper，Local DNS Caching，OpenAMIP，cRTP and GRE
Video and audio	Video Input / 2 channels of video input (support HDMI&SDI, at the same time select one channel input)
Video Coding	H.265，H.264SVC、H.264 Dual channel compression coding
Resolution Ratio	1080P、720P、D1
Frame Rate	3～60 frame/S (Default: 15 frames per second)
Audio Interface	1 channel 2 in 1 (3.5mm headset) audio input/output
Audio Coding	G.711 audio compression, with error correction and enhancement functions
Network	4G / Support China Telecom/China Mobile/China Unicom 4G full network access network standard

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	Fixed Wing UAV Airborne SATCOM ST280
Part number	MD-P00283
Lead time	30 days
Minimum order	1 unit
Supply	made_to_order

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