



Intelligent Redundant Kit

The Intelligent Redundant Kit 16W-350W Ku-Band 1:1 redundancy system is lightweight and super compact, due to compact size BUCs/SSPAs equipped with intelligent built-in redundancy controller. This redundancy system does not require an external redundancy controller; therefore having no single point of failure in the redundancy system.

The system features extensive monitor and control via serial ports EIA232/EIA485 and Ethernet. The state of the art web browser provides the operator with comprehensive system management tool. Power Distribution Unit (PDU) make power connection extremely simple and convenient for the user - only one power entry cable for the system.

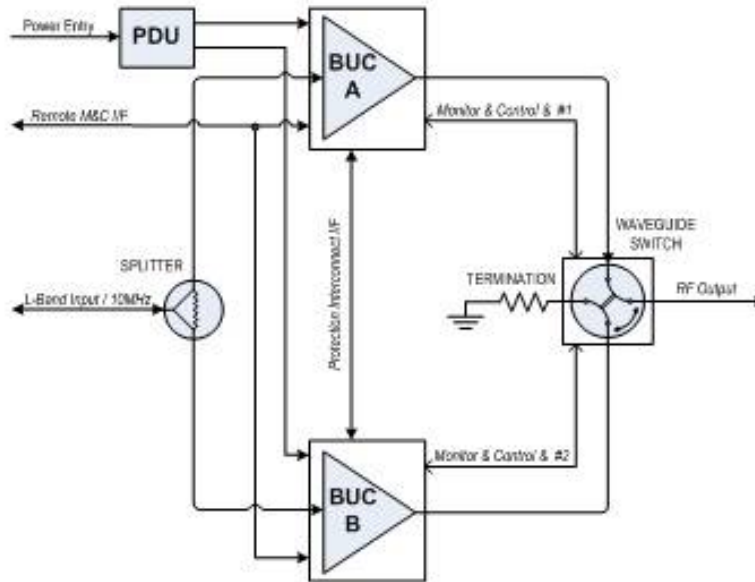
OPTIONS

- Internal 10MHz Reference
- Indoor 1RU Remote control unit

FEATURES

- Eliminates External Redundancy Controller as a single point of failure for the system
- Input splitter provides 10MHz reference to both BUCs simultaneously - Real hot standby mode for the case of external reference
- Easy BUC/PA units replacement without interruption of traffic

- Remote control over RS-232, RS-485 and Ethernet
- Built-in SNMP and web server
- Auto manual, remote, manual override operational modes
- BUC A/B gain equalisation feature
- Manual switch-over button
- Power distribution junction box



IF/RF CHARACTERISTICS	
IF Frequency Range:	950-1700MHz
RF Frequency	13.75-14.5GHz
Return Loss at IF In Port	-14dB max
Return Loss at RF Out Port	-16dB max
Output Power	Up to 350W at PSAT
Input IF port Impedance	50 Ohm

EXTERNAL REFERENCE	
Frequency	10MHz
Int./Ext. Autosense	Int. clock locks on external reference
Interface	Multiplexed with IF
Phase Noise @ 10Hz	-150dBc/Hz
@ 100Hz	-130dBc/Hz
@ 1kHz	-140dBc/Hz
Power Level	0dBm +/-5dBm

POWER	
AC Option	90-265VAC 50-60Hz to each BUC/SSPA
DC Option (16-100W only)	36-55 VDC Isolated to each BUC/SSPA

INTERFACES	
IF IN (L-Band and 10MHz)	N-type female
RF Out	WR75 Grooved
User Interface	MS3112E14-19S

SP PART NUMBER	
STS RED 1	

MONITOR & CONTROL FEATURES		
Controls:		
Remote/Local	Via Serial, Ethernet	
Online/Stand By Toggle	Via Serial, Ethernet	
Auto/Manual Toggle	Via Serial, Ethernet	
Mute Control	Via Serial, Ethernet	
Gain Control	Via Serial, Ethernet	
Clear Alarm	Via Serial, Ethernet	
LO Select	Via Serial, Ethernet	

Manual Switch-Over	Nob on redundancy switch	
Indicators:		
Remote/Local Indication	Via Serial, Ethernet	
Active/Stand by status	Via Serial, Ethernet	
Mute Status	Via Serial, Ethernet	
Switch Position	Via Serial, Ethernet, LED	
Gain Status	Via Serial, Ethernet	
Temperature BUC 1-2	Via Serial, Ethernet	
Lock status BUC1-2	Via Serial, Ethernet	
Summary Alarm status 1-2	Via Serial, Ethernet	
Output Power Detection	Via Serial, Ethernet	

MECHANICAL		
Size 16W to 50W	58.5 x 39.5 x 17 cms	
Size 60W to 100W	58 x 63.5 x 13 cms	
Size 150W to 200W	61 x 81 x 18 cms	
Size 250W to 350W	66 x 98 x 30.5 cms	
Weight 16W to 50W	8Kg	
Weight 60W to 100W	17Kg	
Weight 150W to 200W	30Kg	
Weight 250W to 350W	57Kg	
Finish	Painted white	

ENVIRONMENTAL		
Operating temperature	-40 to +55 deg.C	
Storage Temperature	-40 to +85 deg.C	