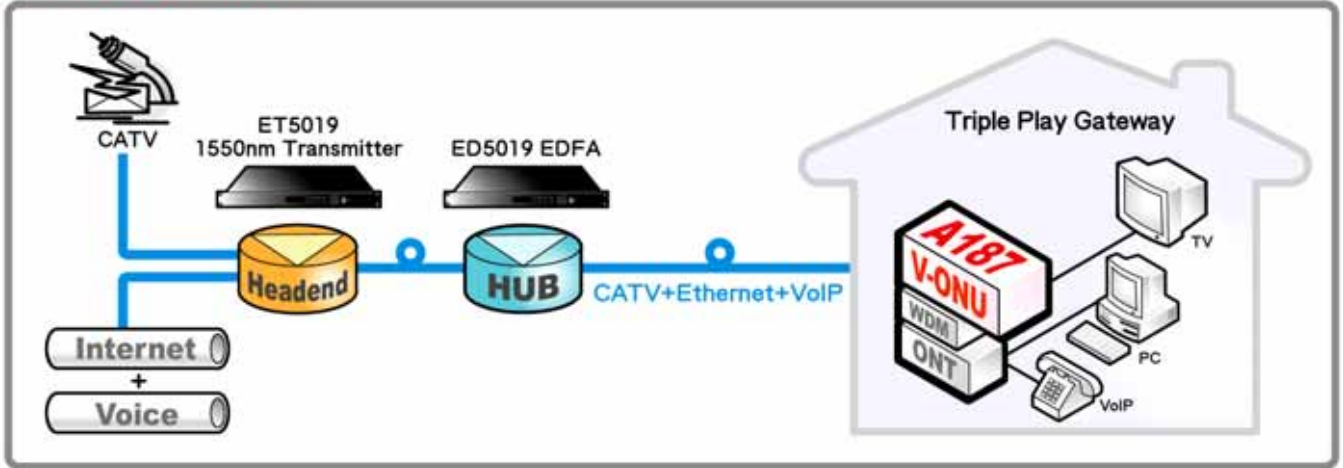


Application

FTTX Solution



Specifications

ACI Communications, Inc.		A187 870MHz V-ONU FTTH Optical Network Unit		
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF				
RF frequency range		MHz	47 ~ 862	
Flatness		dB	± 1	
Return loss		dB	-18dB@40~80MHz -16.5dB@80~160MHz -15dB@160~320MHz -13.5dB@320~640MHz -12dB@640~870MHz	
RF Output level	(@ -10dBm optical input level, OMI 5%/CH)	dBμV	74	
RF output level	(@ 0dBm optical input level, OMI 5%/CH)	dBμV	94	
CSO	(@ -4 dBm input, OMI 5%/CH)	dBc	< -60	
CTB	(@ -4 dBm input, OMI 5%/CH)	dBc	< -60	
C/N	(@ -10 dBm input, OMI 5%/CH)	dB Typically	-46	

Specifications

ACI Communications, Inc.		A187 870MHz V-ONU FTTH Optical Network Unit		
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
Optical				
Input fiber type			Standard Single Mode Fiber (ITU-T G.652)	
Receiver wavelength range		nm	1290~1600	
Optical input power		dBm	0 ~ -10	
Threshold for LED signal indicating		dBm Typical	- 46	
Optical return loss input		dB	≥ 40	
Mechanical				
Dimension(WxDxH)	Housing Only	mm	77.6 x 39.6 x 18	
Housing			Shielded	
Optical connector			SC/APC receptacle directly on receiver housing	
RF connector			F-female (IEC 169-24)	
Power input				
Input voltage		VDC	6	
Dissipation	max	W	1.8	
Environment				
Optical temperature			0 ~ 50	
Storage condition			-20 ~ 70	

All specification is defined under 1550nm optical input.

Ordering Matrix

A187 Configuration Sheet

Customer: _____

Created By: _____

ORDERING MATRIX

2009/11/13

Position		1	2
PART NUMBER	A187 V-ONU	S	C

1-2 Connector

S **C** = SC/APC

NOTES: