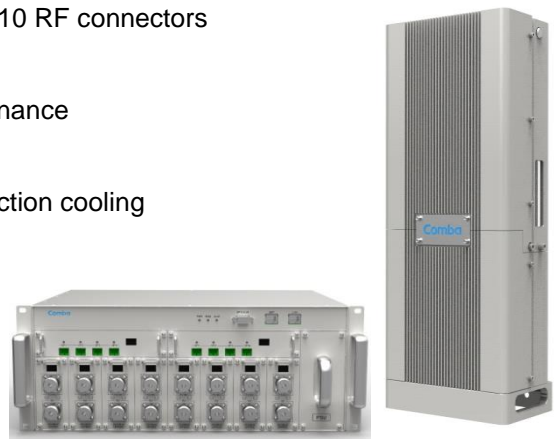


ComFlex-6Q00(CI)

ComFlex-6Q00(CI) 5W

- Industry's first DAS system with superior PIM performance 4.3-10 RF connectors
- Independent coupling port for uninterrupted network testing
- Modular Master Unit supports flexible field upgrade and maintenance
- Independent gain control for each RF source
- High MTBF and low noise design with modular PSU and convection cooling
- RF module supports both simplex and duplex
- Compact, slim Remote Unit for OPEX saving
- Supports multi-operator and mixed mode applications
- Optical link auto gain control
- Web based GUI for intelligent commissioning and configuration

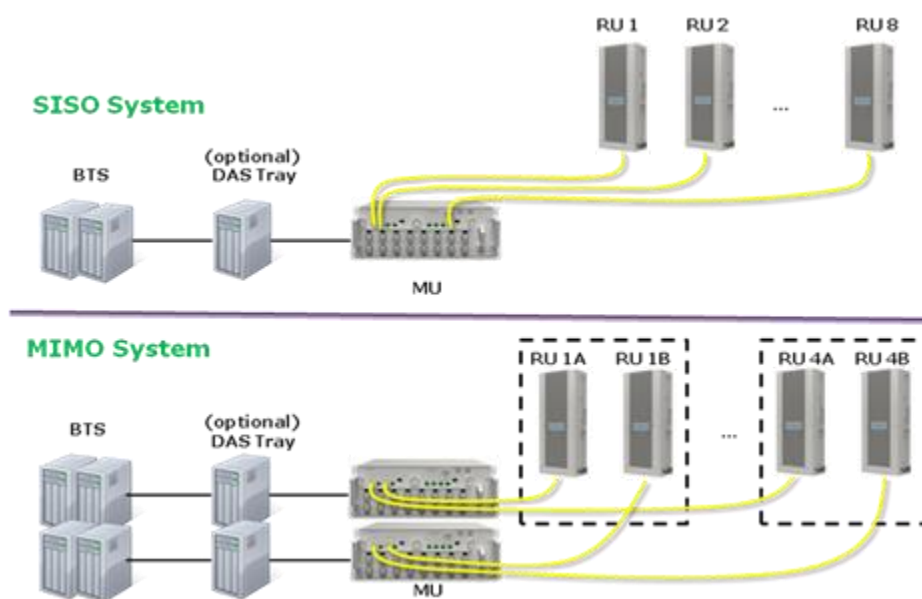


Product Description

The ComFlex-6Q00 (CI) Distributed Antenna System is an RF over fiber solution that enhances a wireless network's coverage by extending cellular services from existing cell sites to an indoor environment. The system consists of the Master Unit (MU) and medium power Remote Unit (RU). The MU includes the Chassis, Power Supply Unit (PSU), Fiber Optical Unit (FOU) and RF Unit (RFU). With a modular design, it can support up to 8 independent RF inputs and 8 Remote Units. The Remote Unit is designed with a compact and slim form factor for easy installation; it is an integrated design which supports 3 independent bands: 600MHz, 2300MHz, and 2500MHz.

This solution is an effective point-to-multipoint distributed antenna system that provides effective coverage enhancement. The Comba Tri-Band DAS offers service providers an optimal solution for variable venue sizes such as single buildings, office campuses, megamalls and sports arenas.

Functional Block Diagram



Technical Specifications

Optical Specifications		
System		600MHz, 2300MHz and 2500MHz
Optical Fiber		Single Mode
Optical Wavelength	nm	1310, 1550 + WDM
Optical Output Power	Master Unit	-4 to -2
	Remote Unit	3-5
Optical Return Loss	dB	>50
Max. Optical Loss	dBo	6.5
Optical Automatic Gain Control	dBo	6.5
Fiber Connectors		SC/APC
Maximum Remote Unit per Master Unit		8

Electrical Specifications			600MHz	2300MHz	2500MHz
Frequency Range	Uplink	MHz	663-698	2305-2315	2496-2690
	Downlink		617-652	2350-2360	2496-2690
Operating Bandwidth	MHz	35	10	194	
Uplink Output Power	dBm	-20	-20	-20	
Downlink Output Power	dBm	37	37	37	
Uplink Maximum Gain	dB	27			
Downlink Maximum Gain	dB	27			
ATT Adjustable Range(1dB step)	dB	MU: 0-40, RU: 0-30			
Pass Band Ripple (p-p)	dB	≤ 5	≤ 5	≤ 6	
Spurious Emission		3GPP TS 36.106, FCC			
Uplink Noise Figure at Maximum Gain	dB	≤ 6			
System Delay	μsec	≤ 3			
VSWR		≤ 1.5			
Max. Input RF Power at Master Unit	dBm	30			

Mechanical Specifications--MU			
Dimensions, H x W x D	Chassis	in(mm)	7" x 19" x 14.2"(178 x 482x360)
	Fiber Optical Unit		1.5" x 7.3" x 11.8" (37 x185 x299)
	RF Unit		4.1" x 1.8" x 10.2" (103 x 46 x 259)
	Power Supply Unit		5.5" x 2.5" x 15.7" (140 x 63 x 400)
Weight (approx.)	Chassis	lb(kg)	24.3 (11)
	Fiber Optical Unit		4.4 (2)
	RF Unit		2.2 (1)
	Power Supply Unit		5.5 (2.5)
Power Supply	VAC		100-240/50-60Hz
Power Consumption (approx.)	W		85
RF Connectors			4.3-10 Female
Coupling Port Connectors			QMA-Female (For UL related testing, coupling value: -5dB)
Fiber Connectors			SC/APC
Operating Temperature	°C		0 to 40
Operating Humidity	%		≤ 85
Ingress Protection			IP30
Enclosure Cooling			Convection
Installation Type			19" Rack

Mechanical Specifications--RU			
Dimensions, H x W x D	Remote Unit	in(mm)	26.0" x 9.8" x 6.3" (660 x 250 x 160)
	Power Supply Unit		16.1" x 4.4" x 3.5" (408 x 111 x 90)
Weight (approx.)	Remote Unit	lb(kg)	55.1 (25)
	Power Supply Unit		7.7 (3.5)
Power Supply		VAC	100-240/50-60Hz
Power Consumption (approx.)		W	170
RF Connectors			4.3-10 Female
Coupling Port Connectors			QMA-Female (For DL related testing, coupling value: -45dB:700&850&800; -35dB: 1900&EAWS)
RF Expansion Port			QMA-Female (1 x TX_EXT + 1 x RX_EXT)
Fiber Connectors			SC/APC
Operating Temperature		°C	-20 to 50
Operating Humidity		%	≤ 85
Ingress Protection			IP30
Enclosure Cooling			Convection
Installation Type			Wall and Pole

Ordering Information

	Module Name	P/N
MU	Master Unit Chassis	MU01-RACK-E02
	Master Unit Power Supply Unit	MU01-PSU-A92W300
	Master Unit Fiber Optical Unit	MU01-FOU-SABFOP6
	Master Unit RF Unit (600MHz)	MU01-RFU-60B35Q
	Master Unit RF Unit (2300MHz)	MU01-RFU-23B10Q
	Master Unit RF Unit (2500MHz)	MU01-RFU-25B194Q
RU	Medium Power Remote Unit (600+2.3+2.5)	MRU01-6Q00TP04Q
	Remote Unit Power Supply Unit	LRU01-PSU-A92W300