



Digital Active DAS

Product Catalog



Dual Band Active Digital DAS (Air-coupling)

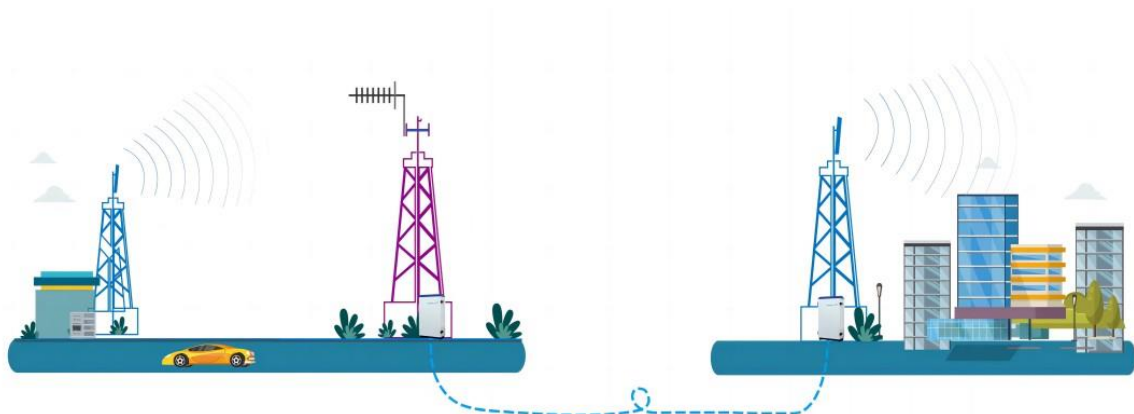
Model: 43722D (P/N: 43722D.3K)

Product Features

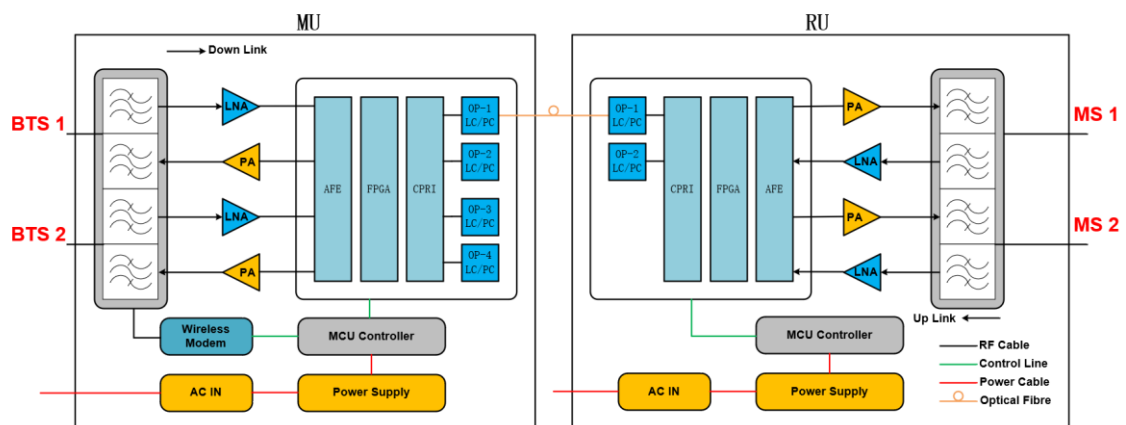
- Support multi-band system.
- Digital bandwidth-adjustable features allow for seamless adaptability to different frequency bands.
- Optical transmission up to 10km (max.).
- Support NMS local/remote control.
- Low noise and high reliability.
- Each master unit can support max.8 remote units.
- Support to monitor donor signal parameters for easy optimization and troubleshooting.



Application Scenario



Block Diagram



Technical specifications are subject to change without prior notice.



Technical Specifications

P/N: 43722D.3K		MU	RU
Frequency Range	B3 (1800) Uplink	1710 - 1785 MHz (adjustable)	1710 - 1785 MHz (adjustable)
	B3 (1800) Downlink	1805 - 1880 MHz (adjustable)	1805 - 1880 MHz (adjustable)
	B3 (1800) Uplink	1710 - 1785 MHz (adjustable)	1710 - 1785 MHz (adjustable)
	B3 (1800) Downlink	1805 - 1880 MHz (adjustable)	1805 - 1880 MHz (adjustable)
Number of Sub-bands per band		1-3	1-3
Bandwidth (per sub-band)	B3 (1800)	5-75 MHz (adjustable)	5-75 MHz (adjustable)
	B3 (1800)	5-75 MHz (adjustable)	5-75 MHz (adjustable)
Number of Units		1	≤ 8
Max Gain		90 ± 3 dB	
Manual Gain Control		31 dB in step of 1 dB	
Automatic Gain Control		≥ 20 dB	
Gain Flatness		≤ ± 3 dB (peak to peak)	
Max. Input Power without Damage	Uplink	-10 dBm	
	Downlink	-10 dBm	
Output Power	Uplink	-10 ± 2 dBm	
	Downlink	37 ± 2 dBm	
Noise Figure		UL: ≤ 6 dB	
EVM		≤ 8%	≤ 8%
VSWR		≤ 1.5	
System Delay		≤ 12 μs	
RF Connector		N-Female	
Impedance		50Ω	
Optical Output Power		≥ 0 dBm	
Optical Wavelength		1310 nm/1550 nm (WDM)	
Fiber		Single Mode	
Fiber Connector		4*LC/PC	2*FC/PC
Power Supply		AC110~220V	AC110~220V
Power Consumption		≤ 85 W	≤ 245 W
Dimensions		400*595*200mm	400*595*200mm
Weight		≤ 15 kg	≤ 25 kg
IP Rating		IP65	IP65
Operating Temperature		-25~55 °C	
NMS	Local	Via RJ45	
	Remote	Via Cloud-based NMS (optional)	

Technical specifications are subject to change without prior notice.



5G MIMO Digital DAS (Air-coupling)

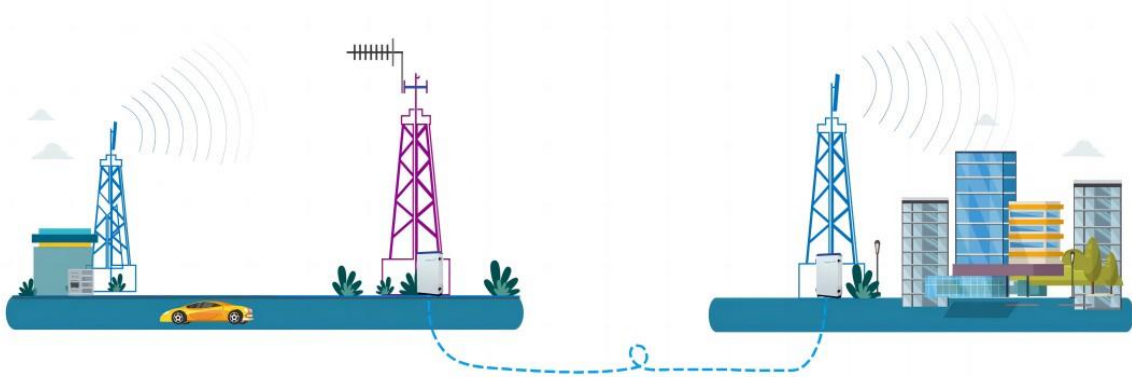
Model: 53722D (P/N: 53722D.38K)

Product Features

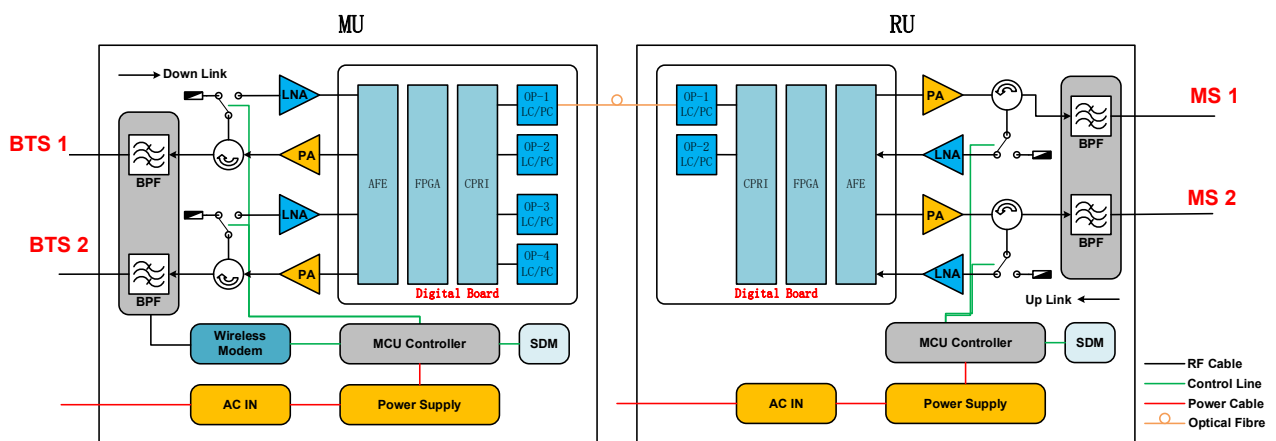
- Built-in baseband synchronization module, accurate synchronization.
- Digital bandwidth-adjustable features allow for seamless adaptability to different frequency bands
- Optical transmission up to 10km (max.).
- Support local/remote control.
- Low noise and high reliability.
- Each master unit can support max.8 remote units.
- Support to monitor donor signal parameters for easy optimization and troubleshooting.
- Support 2G,3G,4G FDD & 5G TDD Technologies.



Application Scenario



Block Diagram



Technical specifications are subject to change without prior notice.



Technical Specifications

P/N: 53722D.38K		MU	RU
Frequency Range	N38 (2600) Uplink	2570 – 2620 MHz	2570 – 2620 MHz
	N38 (2600) Downlink	2570 – 2620 MHz	2570 – 2620 MHz
Number of Sub-bands per band		1-3	1-3
Bandwidth (per sub-band)	N38 (2600)	5 - 50 MHz (adjustable)	5 - 50 MHz (adjustable)
	N38 (2600)	5 - 50 MHz (adjustable)	5 - 50 MHz (adjustable)
Number of Units		1	≤ 8
Max Gain		90 ±3dB	
Manual Gain Control		31 dB in step of 1 dB	
Automatic Gain Control		≥20 dB	
Gain Flatness		≤ ±3 (peak to peak)	
Max. Input Power without Damage	Uplink	-10 dBm	
	Downlink	10 dBm	
Output Power	Uplink	-10 ± 2 dBm	
	Downlink	37 ± 2 dBm	
Noise Figure		UL: ≤ 6 dB	
EVM		≤3.5%	≤3.5%
VSWR		≤ 1.5	
System Delay		≤ 12 μs	
RF Connector		N-Female	
Impedance		50Ω	
Optical Output Power		≥ 0 dBm	
Optical Wavelength		1310 nm/1550 nm (WDM)	
Fiber		Single Mode	
Fiber Connector		LC/PC*8	LC/PC*2
Power Supply		AC110~220V	AC110~220V
Power Consumption		≤ 85 W	≤ 295 W
Dimensions		430*330*130mm	400*600*220mm
Weight		≤ 16 kg	≤ 23 kg
IP Rating		IP65	IP65
Operating Temperature		-25~55 °C	
NMS	Local	Via RJ45	
	Remote	Via Cloud-based NMS (optional)	

Technical specifications are subject to change without prior notice.



5G MIMO Digital DAS (Air-coupling)

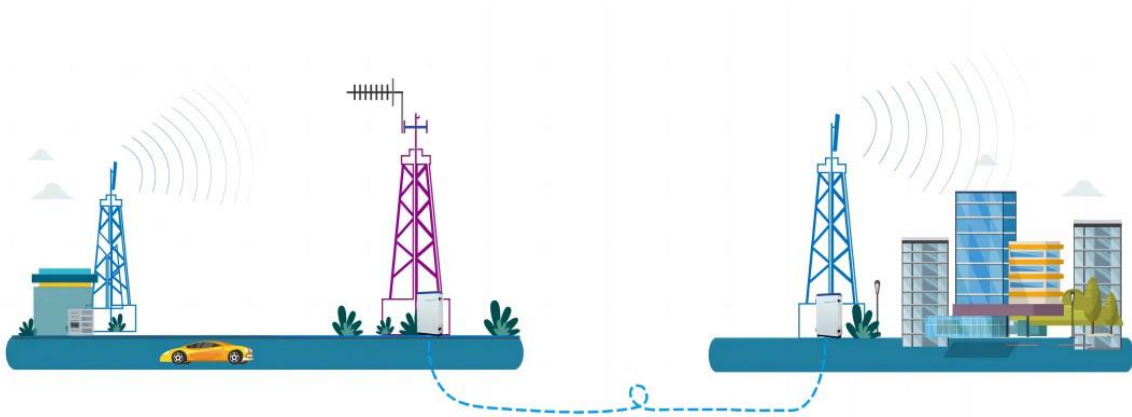
Model: 53722D (P/N: 53722D.77K)

Product Features

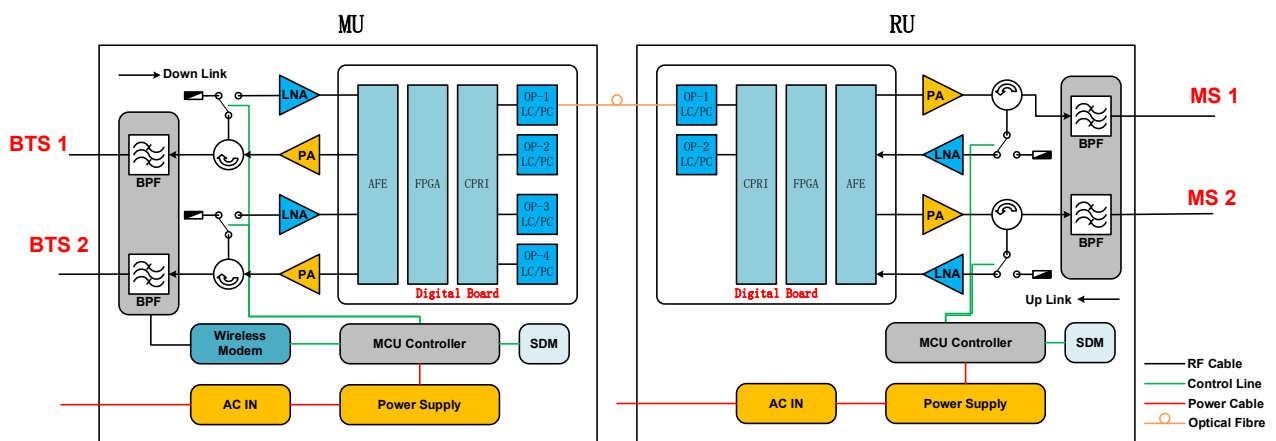
- Built-in baseband synchronization module, accurate synchronization.
- Digital bandwidth-adjustable features allow for seamless adaptability to different frequency bands
- Optical transmission up to 10km (max.).
- Support local/remote control.
- Low noise and high reliability.
- Each master unit can support max.8 remote units.
- Support to monitor donor signal parameters for easy optimization and troubleshooting.
- Support 2G,3G,4G FDD & 5G TDD Technologies.



Application Scenario



Block Diagram



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Technical Specifications

P/N: 53722D.77K		MU	RU
Frequency Range	N77 (3700) Uplink	3800–4200 MHz (adjustable)	3800–4200 MHz (adjustable)
	N77 (3700) Downlink	3800–4200 MHz (adjustable)	3800–4200 MHz (adjustable)
Number of Sub-bands per band		1-3	1-3
Bandwidth (per sub-band)	N77 (3700)	5 - 100 MHz (adjustable)	5 - 100 MHz (adjustable)
	N77 (3700)	5 - 100 MHz (adjustable)	5 - 100 MHz (adjustable)
Number of Units		1	≤ 8
Max Gain		90 ±3dB	
Manual Gain Control		31 dB in step of 1 dB	
Automatic Gain Control		≥20 dB	
Gain Flatness		≤ ±3 (peak to peak)	
Max. Input Power without Damage	Uplink	-10 dBm	
	Downlink	10 dBm	
Output Power	Uplink	-10 ± 2 dBm	
	Downlink	37 ± 2dBm	
Noise Figure		UL: ≤ 6 dB	
EVM		≤3.5%	≤3.5%
VSWR		≤ 1.5	
System Delay		≤ 12 μs	
RF Connector		N-Female	
Impedance		50Ω	
Optical Output Power		≥ 0 dBm	
Optical Wavelength		1310 nm/1550 nm (WDM)	
Fiber		Single Mode	
Fiber Connector		LC/PC*8	LC/PC*2
Power Supply		AC110~220V	AC110~220V
Power Consumption		≤ 85 W	≤ 295 W
Dimensions		430*330*130mm	400*600*220mm
Weight		≤ 16 kg	≤ 23 kg
IP Rating		IP65	IP65
Operating Temperature		-25~55 °C	
NMS	Local	Via RJ45	
	Remote	Via Cloud-based NMS (optional)	

Technical specifications are subject to change without prior notice.



Dual Band Digital Active DAS (Air-coupling)

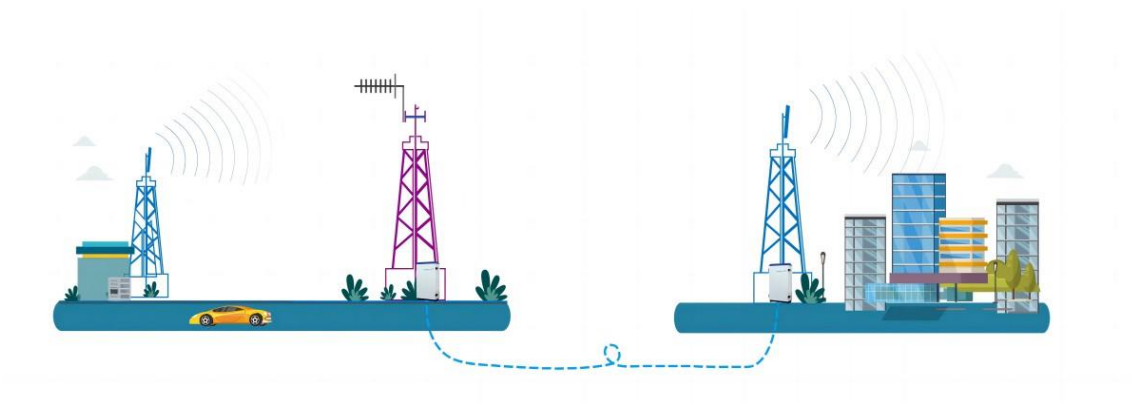
Model: 53722D (P/N: 53722D.78K)

Product Features

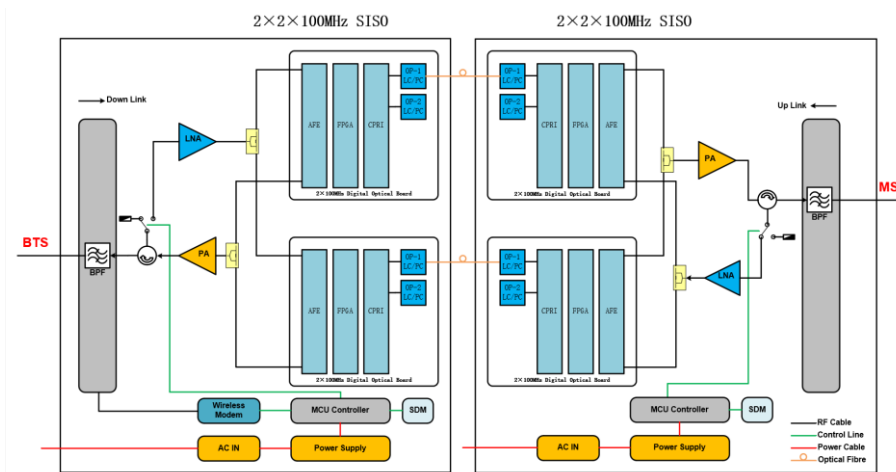
- Built-in baseband synchronization module, accurate synchronization.
- Digital bandwidth-adjustable features allow for seamless adaptability to different frequency bands
- Optical transmission up to 10km (max.).
- Support local/remote control.
- Low noise and high reliability.
- Each master unit can support max.8 remote units.
- Support to monitor donor signal parameters for easy optimization and troubleshooting.
- Support 2G,3G,4G FDD & 5G TDD Technologies.



Application Scenario



Block Diagram



Technical specifications are subject to change without prior notice.



Technical Specifications

P/N: 53722D.78K		MU	RU
Frequency Range	N78 (3500) Uplink	3400 - 3800 MHz (adjustable)	3400 - 3800 MHz (adjustable)
	N78 (3500) Downlink	3400 - 3800 MHz (adjustable)	3400 - 3800 MHz (adjustable)
	N78 (3500) Uplink	3400 - 3800 MHz (adjustable)	3400 - 3800 MHz (adjustable)
	N78 (3500) Downlink	3400 - 3800 MHz (adjustable)	3400 - 3800 MHz (adjustable)
Number of Sub-bands per band		1-3	1-3
Bandwidth (per sub-band)	N78 (3500)	5 - 100 MHz (adjustable)	5 - 100 MHz (adjustable)
	N78 (3500)	5 - 100 MHz (adjustable)	5 - 100 MHz (adjustable)
Number of Units		1	≤ 8
Max Gain		90 ±3 dB	
Manual Gain Control		31 dB in step of 1 dB	
Automatic Gain Control		≥20 dB	
Gain Flatness		≤ 6 dB (peak to peak)	
Max. Input Power without Damage	Uplink	-10 dBm	
	Downlink	10 dBm	
Output Power	Uplink	-10 ± 2 dBm	
	Downlink	37 ± 2 dBm	
Noise Figure		UL: ≤ 6 dB	
EVM		≤3.5%	≤3.5%
VSWR		≤ 1.5	
System Delay		≤12 μs	
RF Connector		N-Female	
Impedance		50Ω	
Optical Output Power		≥0 dBm	
Optical Wavelength		1310 nm/1550 nm (WDM)	
Fiber		Single Mode	
Fiber Connector		4*LC/PC	2*LC/PC
Power Supply		AC110~220V	AC110~220V
Power Consumption		≤ 85 W	≤ 295 W
Dimensions		416*268*101mm	400*595*200mm
Weight		≤ 15 kg	≤ 25 kg
IP Rating		IP40	IP65
Operating Temperature		-25~55 °C	
NMS	Local	Via RJ45	
	Remote	Via Cloud-based NMS (optional)	

Technical specifications are subject to change without prior notice.



Triple Band MIMO Digital Active DAS (Direct Coupling)

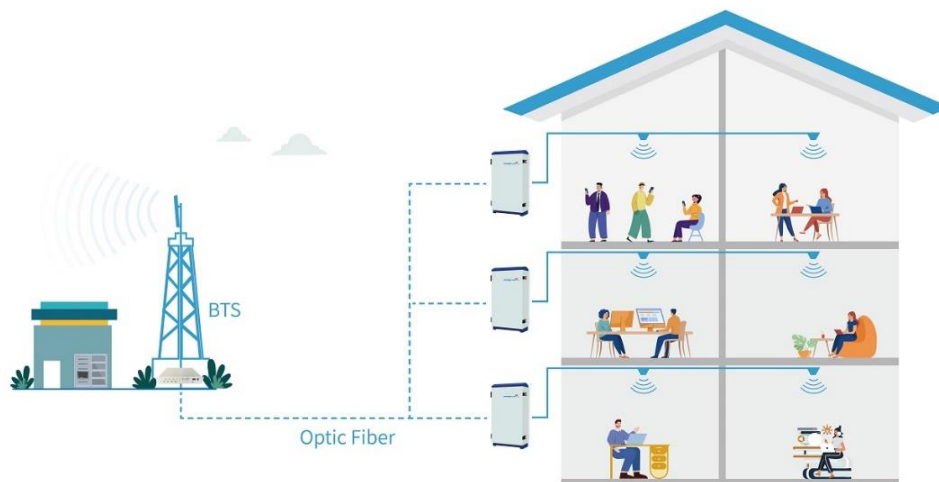
Model: 44326D (P/N: 44326D.138Z)

Product Features:

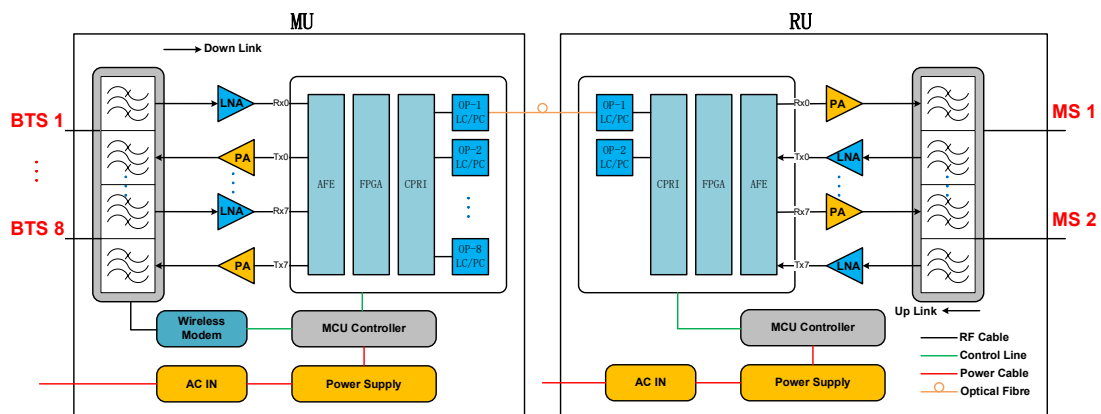
- Support multi-band system.
- Digital bandwidth-adjustable features allow for seamless adaptability to different frequency bands.
- Optical transmission up to 10km (max.).
- Support NMS local/remote control.
- Low noise and high reliability.
- Each master unit can support max.8 remote units.
- Support to monitor donor signal parameters for easy optimization and troubleshooting.



Application Scenario



Block Diagram



Technical specifications are subject to change without prior notice.



Technical Specifications

P/N: 44326D.138Z		MU	RU
Frequency Range	B8(900) UL 2T2R	880-915MHz	880-915MHz
	B8(900) DL 2T2R	925-960MHz	925-960MHz
	B3(1800) UL 2T2R	1710-1785 MHz	1710-1785 MHz
	B3(1800) DL 2T2R	1805-1880 MHz	1805-1880 MHz
	B1(2100) UL 2T2R	1920-1980 MHz	1920-1980 MHz
	B1(2100) DL 2T2R	2110-2170 MHz	2110-2170 MHz
Number of Sub-bands		1-3	1-3
Bandwidth (per sub-band)	B8(900) 2T2R	0.2-35 MHz (adjustable)	0.2-35 MHz (adjustable)
	B3(1800) 2T2R	5-75 MHz (adjustable)	5-75 MHz (adjustable)
	B1(2100) 2T2R	5-60 MHz (adjustable)	5-60 MHz (adjustable)
Number of Units		1	≤ 8
Max. Gain		50 ±3dB	
Manual Gain Control		31 dB in step of 1 dB	
Automatic Gain Control		≥20 dB	
Gain Flatness		≤ ± 3 dB (peak-to-peak)	
Max. Input Power Without Damage	Uplink	-10 dBm	
	Downlink	10 dBm	
Output Power	Uplink	-10 ± 2dBm per band	
	Downlink	43 ± 2dBm per band	
Noise Figure		UL: ≤ 6 dB	
EVM		≤3.5%	≤3.5%
VSWR		≤1.5	
System Delay		≤12 μs	
RF Connector		N-Female	
Impedance		50Ω	
Optical Output Power		≥0 dBm	
Optical Wavelength		1310 nm/1550 nm (WDM)	
Fiber		Single Mode	
Fiber Connector		4*LC/PC	2*FC/PC
Power Supply		DC -48 V	AC110/220V
Power Consumption		≤100 W	≤1500 W
Dimensions		422*352*44 mm	600*600*800mm
Weight		≤20 kg	≤50 kg
IP Rating		IP40	IP65
Operating Temperature		-10~50°C	-25~55°C
NMS	Local	Via RJ45	
	Remote	Via Cloud-based NMS (optional)	

Technical specifications are subject to change without prior notice.



5G MIMO Digital DAS (Direct-coupling)

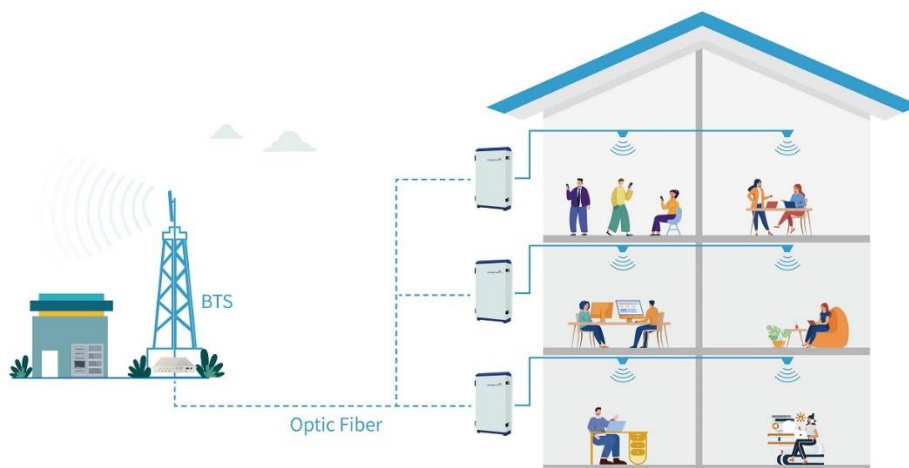
Model: 53722D (P/N: 53722D.38Z)

Product Features

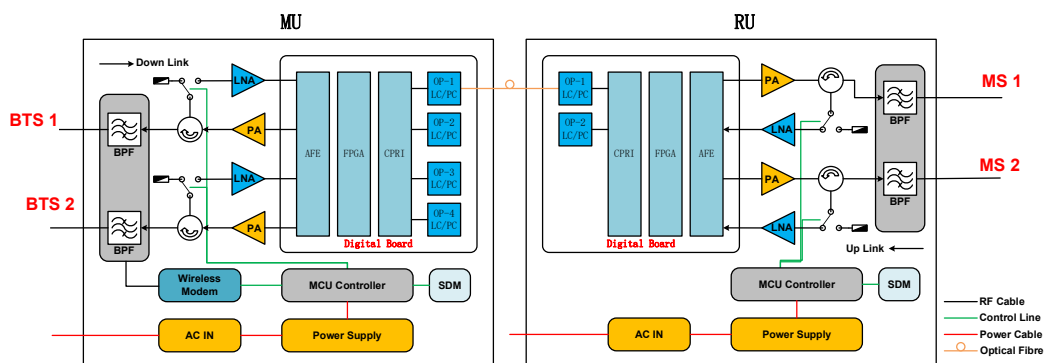
- Built-in baseband synchronization module, accurate synchronization.
- Digital bandwidth-adjustable features allow for seamless adaptability to different frequency bands
- Optical transmission up to 10km (max.).
- Support NMS local/remote control.
- Low noise and high reliability.
- Each master unit can support max.8 remote units.
- Support to monitor donor signal parameters for easy optimization and troubleshooting.
- Support 2G,3G,4G FDD & 5G TDD Technologies.



Application Scenario



Block Diagram



Technical specifications are subject to change without prior notice.



Technical Specifications

P/N: 53722D.38Z		MU	RU
Frequency Range	N38 (2600) Uplink 2T2R	2570 – 2620 MHz	2570 – 2620 MHz
	N38 (2600) Downlink 2T2R	2570 – 2620 MHz	2570 – 2620 MHz
Number of Sub-bands per band		1-3	1-3
Bandwidth (per sub-band)	N38 (2600) 2T2R	5 - 50 MHz (adjustable)	5 - 50 MHz (adjustable)
	N38 (2600) 2T2R	5 - 50 MHz (adjustable)	5 - 50 MHz (adjustable)
Number of Units		1	≤ 8
Max Gain		50 ± 3 dB	
Manual Gain Control		31 dB in step of 1 dB	
Automatic Gain Control		≥ 20 dB	
Gain Flatness		≤ ±3 (peak to peak)	
Max. Input Power without Damage	Uplink	-10 dBm	
	Downlink	10 dBm	
Output Power	Uplink	-10 ± 2 dBm	
	Downlink	37 ± 2 dBm	
Noise Figure		UL: ≤ 6 dB	
EVM		≤ 3.5%	≤ 3.5%
VSWR		≤ 1.5	
System Delay		≤ 12 μs	
RF Connector		N-Female	
Impedance		50Ω	
Optical Output Power		≥ 0 dBm	
Optical Wavelength		1310 nm/1550 nm (WDM)	
Fiber		Single Mode	
Fiber Connector		8*LC/PC	2*FC/PC
Power Supply		AC110~220V	AC110~220V
Power Consumption		≤ 85 W	≤ 295 W
Dimensions		422*352*44 mm	400*600*220mm
Weight		≤ 10 kg	≤ 23 kg
IP Rating		IP40	IP65
Operating Temperature		-25~55 °C	
Local & Remote Control	Local	Via RJ45	
	Remote	Via Cloud-based NMS (optional)	

Technical specifications are subject to change without prior notice.



5G MIMO Digital DAS (Direct-coupling)

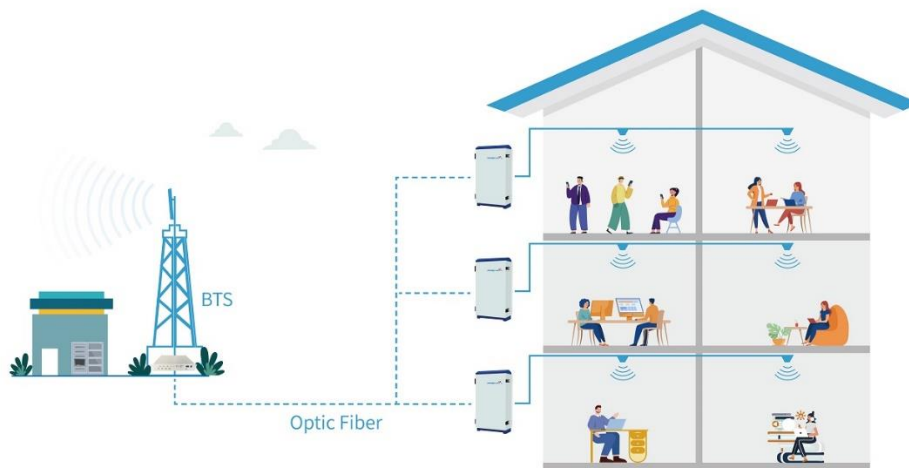
Model: 53722D (P/N: 53722D.77Z)

Product Features

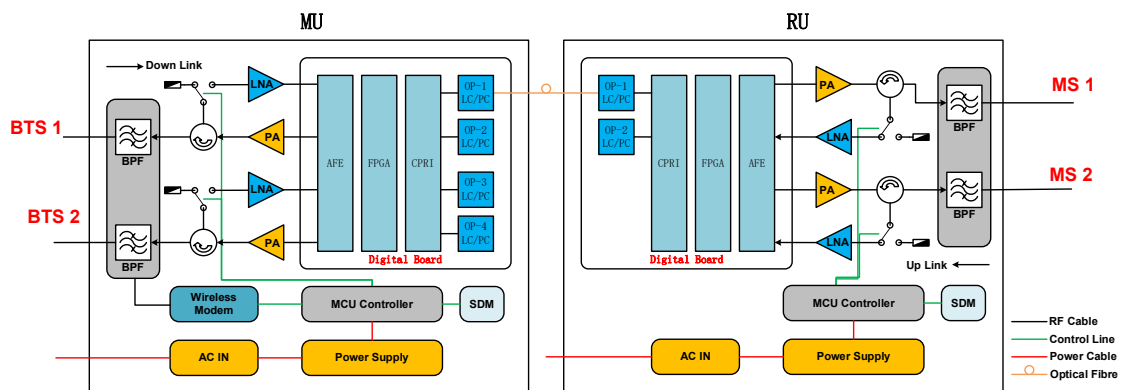
- Built-in baseband synchronization module, accurate synchronization.
- Digital bandwidth-adjustable features allow for seamless adaptability to different frequency bands
- Optical transmission up to 10km (max.).
- Support NMS local/remote control.
- Low noise and high reliability.
- Each master unit can support max.8 remote units.
- Support to monitor donor signal parameters for easy optimization and troubleshooting.
- Support 2G,3G,4G FDD & 5G TDD Technologies.



Application Scenario



Block Diagram



Technical specifications are subject to change without prior notice.



Technical Specifications

P/N: 53722D.77Z		MU	RU
Frequency Range	N77 (3700) Uplink	3800–4200 MHz (adjustable)	3800–4200 MHz (adjustable)
	N77 (3700) Downlink	3800–4200 MHz (adjustable)	3800–4200 MHz (adjustable)
Number of Sub-bands per band		1-3	1-3
Bandwidth (per sub-band)	N77 (3700)	5 - 100 MHz (adjustable)	5 - 100 MHz (adjustable)
	N77 (3700)	5 - 100 MHz (adjustable)	5 - 100 MHz (adjustable)
Number of Units		1	≤ 8
Max Gain		50 ± 3 dB	
Manual Gain Control		31 dB in step of 1 dB	
Automatic Gain Control		≥ 20 dB	
Gain Flatness		≤ ±3 (peak to peak)	
Max. Input Power without Damage	Uplink	-10 dBm	
	Downlink	10 dBm	
Output Power	Uplink	-10 ± 2 dBm	
	Downlink	37 ± 2 dBm	
Noise Figure		UL: ≤ 6 dB	
EVM		≤ 3.5%	≤ 3.5%
VSWR		≤ 1.5	
System Delay		≤ 12 μs	
RF Connector		N-Female	
Impedance		50Ω	
Optical Output Power		≥ 0 dBm	
Optical Wavelength		1310 nm/1550 nm (WDM)	
Fiber		Single Mode	
Fiber Connector		8*LC/PC	2*FC/PC
Power Supply		AC110~220V	AC110~220V
Power Consumption		≤ 85 W	≤ 295 W
Dimensions		422*352*44 mm	400*600*220mm
Weight		≤ 10 kg	≤ 23 kg
IP Rating		IP40	IP65
Operating Temperature		-25~55 °C	
NMS	Local	Via RJ45	
	Remote	Via Cloud-based NMS (optional)	

Technical specifications are subject to change without prior notice.



Quad Band MIMO Digital Active DAS (Direct Coupling)

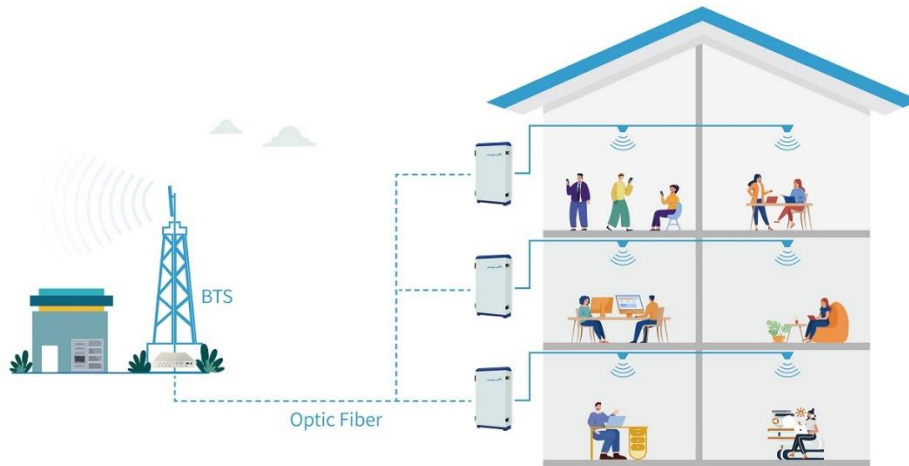
Model: 54328D (P/N: 54328D.22138Z)

Product Features

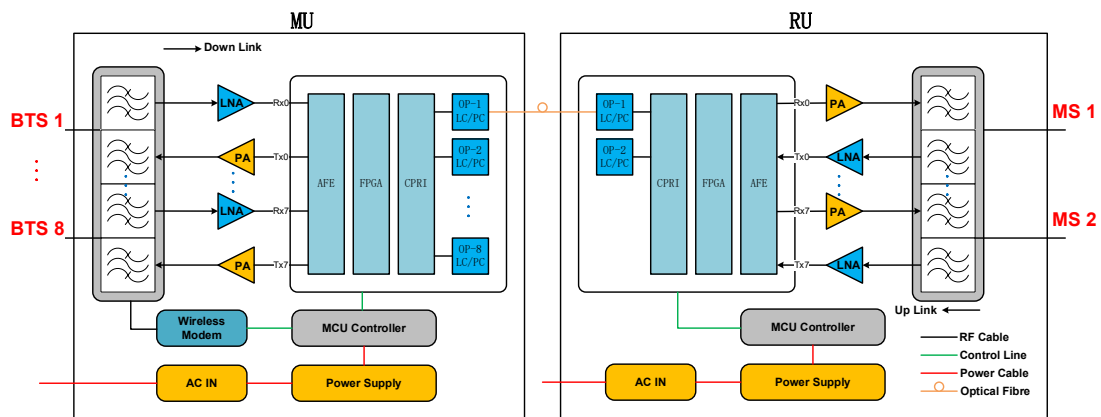
- Support multi-band system. MIMO for 5G system.
- Digital bandwidth-adjustable features allow for seamless adaptability to different frequency bands.
- Optical transmission up to 10km (max.).
- Support NMS local/remote control.
- Low noise and high reliability.
- Each master unit can support max.8 remote units.
- Support to monitor donor signal parameters for easy optimization and troubleshooting.



Application Scenario



Block Diagram



Technical specifications are subject to change without prior notice.



Technical Specifications

P/N: 54328D.22138Z		MU	RU
Frequency Range	B8 UL 2T2R	880–915MHz (adjustable)	880–915MHz (adjustable)
	B8 DL 2T2R	925-960MHz (adjustable)	925-960MHz (adjustable)
	B3 UL 2T2R	1710-1785 MHz (adjustable)	1710-1785 MHz (adjustable)
	B3 DL 2T2R	1805-1880 MHz (adjustable)	1805-1880 MHz (adjustable)
	B1 UL 2T2R	1920-1980 MHz (adjustable)	1920-1980 MHz (adjustable)
	B1 DL 2T2R	2110-2170 MHz (adjustable)	2110-2170 MHz (adjustable)
	B22 UL 2T2R	3400-3800 MHz (adjustable)	3400-3800 MHz (adjustable)
	B22 DL 2T2R	3400-3800 MHz (adjustable)	3400-3800 MHz (adjustable)
Number of Sub-bands per band		1-3	1-3
Bandwidth (per sub-band)	B8 2T2R	0.2-35 MHz (adjustable)	0.2-35 MHz (adjustable)
	B3 2T2R	5-75 MHz (adjustable)	5-75 MHz (adjustable)
	B1 2T2R	5-60 MHz (adjustable)	5-60 MHz (adjustable)
	B22 2T2R	5-80 MHz (adjustable)	5-80 MHz (adjustable)
Number of Units		1	≤ 8
Max. Gain		50 ±3dB	
Manual Gain Control		31 dB in step of 1 dB	
Automatic Gain Control		≥20 dB	
Gain Flatness		≤ ± 3 dB (peak-to-peak)	
Max. Input Power Without Damage	Uplink	-10 dBm	
	Downlink	10 dBm	
Output Power	Uplink	-10 ± 2dBm per band	
	Downlink	43 ± 2dBm per band	
Noise Figure		UL: ≤ 6 dB	
EVM		≤8%	≤8%
VSWR		≤1.5	
System Delay		≤12 μs	
RF Connector		N-Female	
Impedance		50Ω	
Optical Output Power		≥0 dBm	
Optical Wavelength		1310 nm/1550 nm (WDM)	
Fiber		Single Mode	
Fiber Connector		4*LC/PC	2*FC/PC
Power Supply		DC -48 V	AC110/220V
Power Consumption		≤100 W	≤2000 W
Dimensions		422*352*44 mm	600*600*800mm
Weight		≤20 kg	≤60 kg
IP Rating		IP40	IP65

Technical specifications are subject to change without prior notice.



Operating Temperature		-10~50°C	-25~55°C
NMS	Local	Via RJ45	
	Remote	Via Cloud-based NMS (optional)	



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