Everon™ 6200 Specification Sheet

Corning® Everon™ 6200 is a digital transport platform supporting cellular and public safety technologies on fiber optic cable using the CPRI (non-packetized) protocol. The digital radio supports 8 x 3GPP bands with a combined EiRP value of almost 1 watt utilizing integrated antennas for cellular and Bluetooth beaconing, and backhaul connectivity for noncellular technologies. This platform is capable of supporting 5G technology from 360 MHz to 3.8 GHz, plus future RAN virtualization.

This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC License to operate this device. NOTE: Only authorized person can enter the area where the antenna is installed. And the person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. Awareness of the potential for RF exposure in a workplace or similar environment can be provided through specific training as part of a RF safety program.

E62-A2 – Access Unit Chassis

The E62-A2 – Access Unit Chassis is a standard 19-inch 1U rack-mounted shelf, which serves as the host for Everon™ 6200. The E62-A2 provides coupling access to radio signal sources of multioperator, multisystem, and multiband, forming digital optical signals and distributing static capacity distribution to fiber-connected slave devices. One A2 supports up to eight optical interfaces connected to EUs (Expansion Units) or RUs (Radio Units).

The Active Combiner module specified with the band is the interface to the operator base station equipment. Each module has four QMA ports for signal input from the maximum four operators. One Access Unit can be equipped with up to four modules.

E62-AU-AC – Active Combiner Module

The E62-AU-AC – Active Combiner module is the interface to the operator base station signal source equipment. Each module has four QMA ports for signal input from the maximum four operators. One Access Unit can be equipped with up to four modules. In accordance with wireless service provider standards, it is not advised to use digital repeaters as a signal source for Corning solutions.

E62-E2-O – Expansion Unit

The E62-E2-O – Expansion Unit is a standard 19-inch 1U rack-mounted shelf, which serves as the interface between the Master A2 and the Remote Unit.

The E62-E2-O provides IP backhaul connection to all RUs, enabling Wi-Fi integration and other Gigabit Ethernet services deployed in a HetNet environment. The EU-O is the unit to expand the system.

E62-N2RU – Low-Power Remote Unit

The E62-N2RU is a low-power remote unit supporting cellular technologies on fiber optic cable using the CPRI protocol. The N2 is ideal for multioperator multiband, static capacity distribution deployments of cellular services in small-to-medium coverage areas. The N2 supports up to eight 20 dBm RF channels. The N2 converts an optical signal to RF and then transmits at the relevant 3GPP band and receives the analog RF signal, conditions it, and converts it back to optical for routing to the E2 or A2.

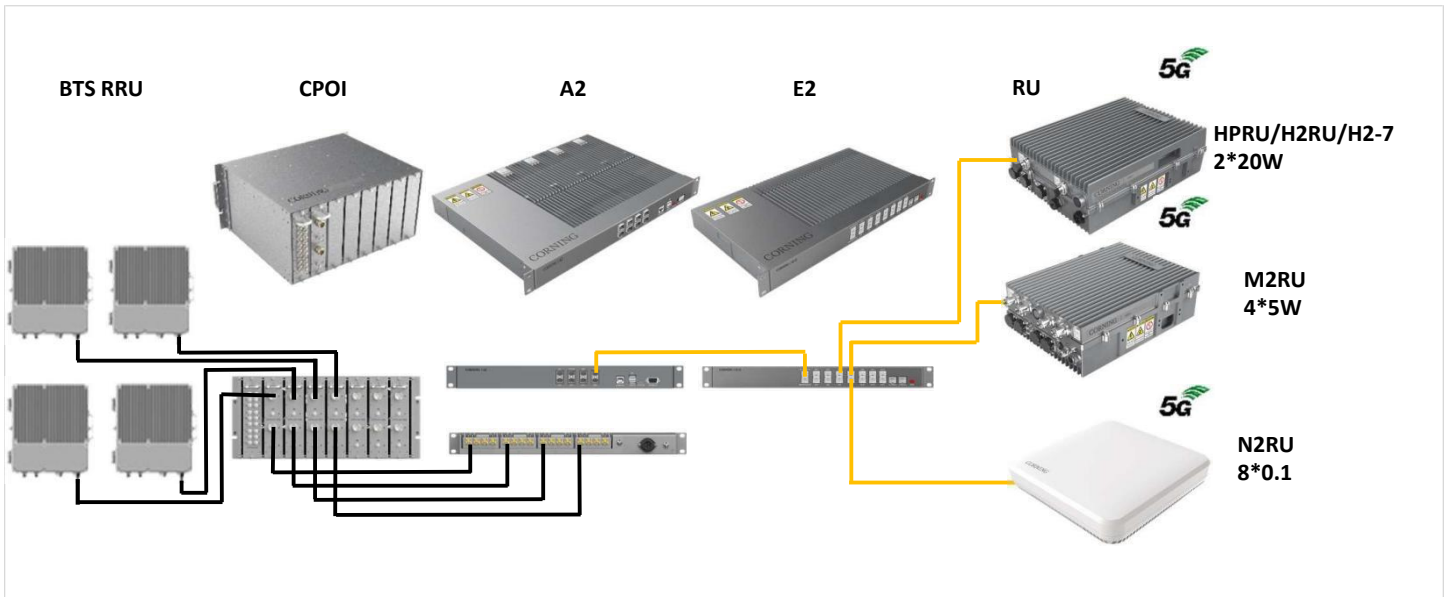## E62-M2RU – Medium-Power Remote Unit

The E62-M2RU is a medium power remote unit supporting cellular technologies on fiber optic cable using the CPRI protocol. The M2 is ideal for multi-operator multi-band, static capacity distribution deployments of cellular services in medium to large coverage areas. The M2 supports up to 37 dBm output per band in single 4T4R or dual 2T2R up to 100 MHz per band. The M2 converts an optical signal to RF and then transmits at the relevant 3GPP band and receives the analog RF signal, conditions it, and converts it back to optical for routing to the E2 or A2.

E62-HPRU – High-Power Remote Unit

The E62-HPRU is a high-power remote unit supporting cellular technologies on fiber optic cable using the CPRI protocol. The HP is ideal for multioperator multiband, static capacity distribution deployments of cellular services in large coverage areas. The HP supports up to 43 dBm output per band in single 2T2R or dual 1T1R up to 80 MHz per band. The HP converts an optical signal to RF and then transmits at the relevant 3GPP band and receives the analog RF signal, conditions it, and converts it back to optical for routing to the E2 or A2.

System Topology

BTS RRU **CPOI** **A2** **E2** **RU**

HPRU/H2RU/H2-7
2*20W

M2RU
4*5W

N2RU
8*0.1

Specifications

E62-A2 – Access Unit Chassis

Supported Bands				
Band	3GPP Band	Downlink	Uplink	Max Bandwidth
600 MHz	71	617-652	663-698	35
700 MHz Lower	12	729-746	699-716	17
700 MHz Upper	13	746-756	777-787	10
700 MHz Safety	14	758-768	788-798	10
800 MHz	20	791-821	832-862	30
850 MHz	5	869-894	824-849	25
850E MHz	26	859-894	814-849	35
900 MHz	8	925-960	880-915	35
1900 MHz	25	1930-1995	1850-1915	65
2100 MHz	66	2110-2180	1710-1780	70
2300 MHz	30	2350-2360	2305-2315	10
2500MHz TDD	41	2496-2690	2496-2690	100
3600MHz CBRS	48	3550-3700	3550-3700	100

Interfaces	
Access Unit RF Interface	QMA Female
Optical Connector Type	8 x 10 GBps SFP+ Interfaces • 6 to 8 optical connections to E2-O or RU • 2 optical connections to slave AUs
Transmission Rate	10.1376 GB/s
AU-AC modules	4 x AU-AC modules per chassis (RF interface with BTS) Full 3GPP Band per Module (up to 100 MHz)
Band Support	12 x 3GPP bands on 1 fiber core (using 2 x Slave A2)
Physical Alarms	DB9, Female (4x in, 4x out)
Maintenance Interface	Ethernet RJ45 / Wi-Fi / USB
AU-AC power level (dB)	0dBm to +15 dBm Input Power Range for each port

Electrical

Electromagnetic Compatibility/Interference (EMC/EMI)	3GPP TS36.113 | 3GPP TS25.113
Maximum Power Consumption (AU/EU-O/RU)	80W
AC Power	100-240v AC, 50/60Hz
DC Power	48VDC ± 20%

Environmental

Mean Time Between Failure (MTBF)	> 80,000 hours
Operating Temperature	-10°C to +50°C / 14°F to +122°F
Storage Temperature	-40°C to +70°C / -40°F to +158°F
Humidity	5% to 85% (Noncondensing)
Cooling	Passive
Installation	Wall or 19-in Rack
Ingress Protection Rating	IP30 (Indoor)

Mechanical

AU (Width / Height / Depth / Weight)	440 mm / 44 mm / 329 mm / 8.0 kg 17.32 in / 1.73 in / 12.95 in / 17.64 lb

E62-E2-O – Expansion Unit

Interfaces

Optical Connector Type	16 x 10 GBps SFP+ Interfaces 400 MHz Mode • 1 optical connection to A2 or upper E2 • 1 optical connection to lower E2 • 14 optical connections to RUs 800 MHz Mode • 1 optical connection to A2 or upper E2 • 1 optical connection to lower E2 • 6 optical connections to RUs
Transmission Rate	10.1376 GB/s
Cascading	Up to 5 x E2-O per Optical connection
Band Support	12 x 3GPP bands on 1-fiber core (using 2 x Slave A2)

Maintenance Interface	Ethernet RJ45 / Wi-Fi / USB

Electrical

Electromagnetic Compatibility/Interference (EMC/EMI)	3GPP TS36.113	3GPP TS25.113
Maximum Power Consumption (AU/EU-O/RU)	50 W
AC Power	100-240 VAC, 50/60 Hz
DC Power	48 VDC ± 20%

Environmental

Mean Time Between Failure (MTBF)	> 80,000 hours
Operating Temperature	-10°C to +50°C / 14°F to +122°F
Storage Temperature	-40°C to +70°C / -40°F to +158°F
Humidity	5% to 85% (Noncondensing)
Cooling	Passive
Installation	Wall or 19-in Rack
Ingress Protection Rating	IP30 (Indoor)

Mechanical

EU-O (Width / Height / Depth / Weight)	440 mm / 44 mm / 220 mm / 5.0 kg 17.32 in / 1.73 in / 8.66 in / 11.02 lb

E62-N2RU – Low-Power Remote Unit

System	
Maximum RF Bands per Access Unit	4
Maximum RF Bands per Remote Unit	8
Maximum RF Bands per System	12
Maximum Access Units per System	3 (1 x Master / 2 x Slaves)
Maximum EUs per Master AU	8
Maximum EUs cascaded	5
Maximum RUs cascaded	6
Frequency Range (Noncontiguous)	3700 MHz – 3800 MHz
Bandwidth per Channel (Downlink & Uplink)	≤100 MHz (Contiguous)
Digital Bandwidth per Channel (Downlink & Uplink)	20 / 30 / 40 / 50 / 60 / 80 / 100 MHz
Bandwidth per System (Downlink & Uplink)	≤ 360 MHz + 1 GB/s IP (100 MB/s if > 360 MHz RF Bandwidth) ≤ 400 MHz Maximum
MIMO	2x2: 1 x RU (x4) | 4x4: 1 x RU (x2) | 8x8: 1 x RU
IP Transmission Rate per RU	1 GB/s (100 MB/s if > 360 MHz RF Bandwidth)
Maximum IP Connections per EU	6
Maximum IP Connections per RU	1
System Delay Adjustment	Up to 80.00 μs

Forward Path (Downlink)					
Output Power per Carrier	Number of Carriers	1	2	4	8
	Frequency higher than 1 GHz	20	17	14	11
	Frequency lower than 1 GHz	17	14	11	8
Output Power Accuracy	±2 dB				
Maximum Gain	20 ± 2 dB for frequency higher than 1 GHz				
Maximum Input Power	17 ± 3 dB for frequency lower than 1 GHz				
Error Vector Magnitude	+15 dBm (with AGC operating) / 0 dBm (without AGC operating)				
Ripple	< 3.5% @ 256 QAM				
Manual Attenuation Control	4 dB Typical				

System Delay (AU+EU+RU)	8 µs

Reverse Path (Uplink)

Maximum Output Power per Band	20 dBm
Output Power Accuracy	±2 dB
Maximum Gain	20 ± 2 dB
Maximum Input Power	-25 dBm
Ripple	4 dB Typical
Manual Gain Control	30 dB @ 1 dB/step (AU:20 dB, RU:10 dB)
System Delay (1AU+1EU+1RU)	8 µs
Noise Figure	10 dB Typical @ Maximum Gain

Interfaces

Antenna Interface (All bands)	QMA Female (External Antenna version)
Access Unit RF Interface	QMA Female

Transmission Connector Type	SFP+, Standard LC
Transmission Rate	10.1376 GB/s
Optical Fiber Length	1.4 km / 10 km / 30 km 0.87 mi / 6.21 mi / 18.64 mi
Physical Alarms	DB9, Female (4x in, 4x out)
Maintenance Interface	Ethernet RJ45 / Wi-Fi / USB

Electrical	
Electromagnetic Compatibility/Interference (EMC/EMI)	3GPP TS36.113	3GPP TS25.113
Maximum Power Consumption	98 W
DC Power	48 VDC ± 20%

Environmental	
Mean Time Between Failure (MTBF)	> 80,000 hours
Operating Temperature (RU)	-10°C to +40°C / 14°F to +104°F
Storage Temperature	-40°C to +70°C / -40°F to +158°F
Humidity	5% to 85% (Noncondensing)
Cooling	Active
Installation	Ceiling or Wall
Ingress Protection Rating	IP30 (Indoor)

Mechanical	
(N2RU-I-Cover) (Width / Height / Depth / Weight)	220 mm / 55 mm / 220 mm / 2.6 kg 8.66 in / 2.16 in / 8.66 in / 5.73 lb
(N2RU-X-Cover) (Width / Height / Depth / Weight)	220 mm / 65 mm / 220 mm / 3.1 kg 8.66 in / 2.56 in / 8.66 in / 6.83 lb

E62-M2RU – Medium-Power Remote Unit

System	
Maximum RF Bands per Access Unit	4
Maximum RF Channels per Remote Unit	4
Maximum Access Units per System	3 (1 x Master AU / 2 x Slaves AU)
Maximum EUs per Master AU	8
Maximum EUs cascaded	5
Maximum RUs cascaded	6
Frequency Range (Non-Contiguous)	600 MHz – 3700 MHz
Bandwidth per Channel (Downlink & Uplink)	≤ 100 MHz (Contiguous)
Digital Bandwidth per Channel (Downlink & Uplink)	20 / 30 / 40 / 50 / 60 / 80 / 100 MHz
Bandwidth per System (Downlink & Uplink)	≤ 400 MHz (in each direction)
System Delay Adjustment	Up to 80.00 μs @ 1μs step, manual & auto, Band based
Redundancy	Fiber Loopback
VSWR	1.5

Forward Path (Downlink)					
Number of Carriers	1	2	4	8	16
Output Power per Carrier(dBm)	37	34	31	28	25
Maximum Gain	37 ± 2dB				
Maximum Input Power	+15 dBm (with AGC operating) / 0 dBm (without AGC operating)				
EVM	< 3.5% @ 256 QAM				
Ripple	4 dB Typical				
Manual Attenuation Control	45 dB @ 1dB/step (AU: 30 dB, RU: 15 dB)				
System Delay (AU+EU+RU)	12 μs				

Reverse Path (Uplink)

Maximum Output Power per Band	-13 dBm
Maximum Gain	37 ± 2 dB
Maximum Input Power	-35 dBm
Ripple	4 dB Typical
Manual Gain Control	45 dB @ 1 dB/step (AU: 30 dB, RU: 15 dB)
System Delay (AU+EU+RU)	8 µs
Noise Figure	4 dB Typical @ Maximum Gain

Supported Bands

Band	3GPP Band	Downlink	Uplink	Max Bandwidth
3600 MHz	48	3550-3700	3550-3700	100
2500 MHz TDD	41	2496-2690	2496-2690	100
1900 MHz	25	1930-1995	1850-1915	65
2100 MHz AWS	66E	2110-2200	1710-1780	90

Interfaces

Antenna Interface (All bands)	4.3-10 Female
Access Unit RF Interface	QMA Female
Optical Connector Type	SFP+, Standard LC
Optical Transmission Rate	10.1376 Gb/s
Optical Fiber Length	1.4 km / 10 km / 30 km 0.87 mi / 6.21 mi / 18.64 mi
Dry Contact	AU: 4 Inputs & 4 Outputs, NO and NC Mode RU: 2 Inputs & 2 Outputs, NO and NC Mode
Maintenance Interface	Ethernet RJ45

Electrical

Complies with	3GPP TS36.106	3GPP TS25.106
EMC	EN 301489-1 / -50, EN 50121-4, EN 55032, EN 61000-4 series
Safety	EN 60950-1, EN 60950-22, EN 62368-1, EN 50385

Maximum Power Consumption (AU/EU/RU)	150 W
AC Power	100-240 VAC, 50/60 Hz
DC Power	48 VDC ± 20%

Environmental	
Mean Time Between Failure (MTBF)	> 100,000 hours
Operating Temperature (RU)	-40°C to +55°C / -40°F to +131°F
Humidity	5% to 100% (Noncondensing)
Cooling	Passive
Installation	Wall or Pole
Ingress Protection Rating	IP67 (Outdoor)
Complies with	EN 300019-1-1, EN 300019-1-2, EN 300019-1-4

Mechanical	
RU(M2RU) (Width / Height / Depth / Weight)	360 mm / 115 mm / 260 mm / 12.0 kg (14.17 in / 4.53 in / 10.24 in / 26.46 lb)

E62-HPRU – High-Power Remote Unit

System	
Maximum RF Bands per Access Unit	4
Maximum RF Bands per Remote Unit	2
Maximum RF Bands per System	12
Maximum Access Units per System	3 (1 x Master / 2 x Slaves)
Maximum EUs per Master AU	8
Maximum EUs cascaded	5
Maximum RUs cascaded	6
Frequency Range (Noncontiguous)	700 MHz – 2700 MHz
Bandwidth per Channel (Downlink & Uplink)	≤80 MHz (Contiguous)

Digital Bandwidth per Channel (Downlink & Uplink)	20 / 30 / 40 / 60 / 80 MHz
Bandwidth per System (Downlink & Uplink)	≤ 280 MHz (in each direction)
MIMO	2x2: 1 x RU | 4x4: 2 x RU | 8x8: 4 x RU
IP Transmission Rate per RU	1 GB/s
Maximum IP Connections per EU	6
Maximum IP Connections per RU	1
System Delay Adjustment	Up to 80.00 µs

Forward Path (Downlink)

	Number of Carriers	1	2	4	8
Output Power per Carrier	UMTS (dBm)	43	40	37	34
	LTE (dBm)	43	40	37	34

Output Power Accuracy	±2 dB
Maximum Gain	43 ± 3 dB
Maximum Input Power	+15 dBm
Error Vector Magnitude	<8.0% @ 64 QAM
Ripple	3 dB Typical
Manual Gain Control	45 dB @ 1 dB/step (AU:30 dB, RU:15 dB)
System Delay (AU+EU+RU)	12 µs
VSWR (AU/RU)	1.5:1

Reverse Path (Uplink)

Maximum Output Power per Band	-7 dBm
Output Power Accuracy	±2 dB
Maximum Gain	43 ± 3 dB
Maximum Input Power	-35 dBm
Ripple	3 dB Typical
Manual Gain Control	45 dB @ 1 dB/step (AU:30 dB, RU:15 dB)
System Delay (1AU+1EU+1RU)	8 µs

Noise Figure	4 dB Typical @ Maximum Gain

Supported Bands

Band	3GPP Band	Downlink	Uplink	Max Bandwidth
600 MHz	71	617-652	663-698	35
850 MHz Extended	26	859-894	814-849	35
1900 MHz	25	1930-1995	1850-1915	65
2100 MHz AWS	66	2110-2180	1710-1780	70
2300 MHz	30	2350-2360	2305-2315	10
2500 MHz TDD	41 (Lower)	2496-2576	2496-2576	80
2500 MHz TDD	41 (Upper)	2610-2690	2610-2690	80

Interfaces

Antenna Interface (All bands)	4.3-10 Female
Access Unit RF Interface	QMA Female
Optical Connector Type	SFP+, Standard LC
Optical Transmission Rate	9.8304GB/s
Optical Fiber Length	1.4 km / 10 km / 30 km 0.87 mi / 6.21 mi / 18.64 mi
Physical Alarms	DB9, Female (4x in, 4x out)
Maintenance Interface	Ethernet RJ45 / Wi-Fi / USB

Electrical

Electromagnetic Compatibility/Interference (EMC/EMI)	3GPP TS36.113 | 3GPP TS25.113
Maximum Power Consumption	250 W
AC Power	100-240 VAC, 50/60 Hz
DC Power	48 VDC ± 20%

Environmental

Mean Time Between Failure (MTBF)	> 100,000 hours

Operating Temperature	-40°C to +50°C / -40°F to +122°F
Storage Temperature	-40°C to +70°C / -40°F to +158°F
Humidity	5% to 85% (Noncondensing)
Cooling	Passive
Installation	RU: Wall or Pole
Ingress Protection Rating	IP65 (Outdoor)

Mechanical	
RU (Width / Height / Depth / Weight) excluding Bands 12, 13 & 14	400 mm / 125 mm / 300 mm / 16.0 kg 15.75 in / 4.92 in / 11.81 in / 35.27 lb
RU (Width / Height / Depth / Weight) for Bands 12, 13 & 14	400 mm / 135 mm / 300 mm / 18.0 kg 15.75 in / 5.31 in / 11.81 in / 39.68 lb

Element Management	
OMT (Operations and Maintenance Terminal)	Yes. Access via AU, EU or RU (Web Based)
LMS (Local Management System)	Yes (Ordered separately)
NMS (Network Management System)	Yes (Ordered separately)

Ordering guide

Part Number	Description
Access Unit Chassis	
E62-A2-4-AC	Access Unit Chassis, 4 Bands, 360 – 3800 MHz supported, 100-240 VAC Powered
E62-A2-4-DC	Access Unit Chassis, 4 Bands, 360 – 3800 MHz supported, ±48v DC Powered
E62-AU-4-AC	Access Unit Chassis, 4 Bands, 600 – 2700 MHz supported, AC Powered
E62-AU-4-DC	Access Unit Chassis, 4 Bands, 600 – 2700 MHz supported, DC Powered
Access Unit Modules	
E62-AU-AC-M600	Access Unit Module, 4 Way Active Combiner 600 MHz (UL 663-698 / DL 617-652)
E62-AU-AC-M700L	Access Unit Module, 4 Way Active Combiner 700 MHz Lower (UL 698-716 / DL 728-746)
E62-AU-AC-M700U	Access Unit Module, 4 Way Active Combiner 700 MHz Upper (UL 776-787 / DL 746-757)
E62-AU-AC-M700S	Access Unit Module, 4 Way Active Combiner 700 MHz Upper (UL 788-798 / DL 758-768)
E62-AU-AC-M700LUPS	Access Unit Module, 4 Way Active Combiner 700 MHz Lower & Upper (UL 698-716|776-798 / DL 728-768)
E62-AU-AC-M850E	Access Unit Module, 4 Way Active Combiner 850 MHz Extended (UL 814-849 / DL 859-894)
E62-AU-AC-M1900	Access Unit Module, 4 Way Active Combiner 1900 MHz (UL 1850-1915 / DL 1930-1995)
E62-AU-AC-M2100A	Access Unit Module, 4 Way Active Combiner 2100 MHz AWS (UL 1710-1780 / DL 2110-2200)
E62-AU-AC-M2300	Access Unit Module, 4 Way Active Combiner 2300 MHz (UL 2305-2315 / DL 2350-2360)
E62-AU-AC-M2500T	Access Unit Module, 4 Way Active Combiner 2500 MHz TDD (2496-2690)
E62-AU-AC-M3600T	Access Unit Module, 2 Way Active Combiner 3600 MHz CBRS TDD (3550-3700)
E62-AU/RU-NC	Blanking Card to suit AU or Indoor Low-Power RU
Expansion Units	
E62-E2-O-14-AC	Expansion Unit Supports up to 6 x Optical Outputs. 100-240 VAC Powered.
E62-E2-O-14-DC	Expansion Unit Supports up to 6 x Optical Outputs. ±48 VDC Powered.
E62-EU-O-6-AC	Expansion Unit, Supports up to 6 x Optical Outputs, AC Powered
E62-EU-O-6-DC	Expansion Unit, Supports up to 6 x Optical Outputs, DC Powered
Remote Unit Modules, Low Power	

E62-N2RU-I-8-DC	Indoor Nano Remote Chassis, 400 MHz, 8 Bands. Includes 1 pair simplex LC SFP+
E62-N2RU-M600	Indoor Nano Radio Module, 17 dBm, 600 MHz (UL 663-698 / DL 617-652)
E62-N2RU-M700L	Indoor Nano Radio Module, 17 dBm, 700 MHz Lower (UL 699-716 / DL 729-746)
E62-N2RU-M700U	Indoor Nano Radio Module, 17 dBm, 700 MHz Upper (UL 777-787 / DL 746-756)
E62-N2RU-M700S	Indoor Nano Radio Module, 17 dBm, 700 MHz Safety (UL 788-798 / DL 758-768)
E62-N2RU-M850E	Indoor Nano Radio Module, 17 dBm, 850E MHz (UL 814-849 / DL 859-894)
E62-N2RU-M1900	Indoor Nano Radio Module, 20 dBm, 1900 MHz (UL 1850-1915 / DL 1930-1995)
E62-N2RU-M2100A	Indoor Nano Radio Module, 20 dBm, 2100 MHz AWS (UL 1710-1780 / DL 2110-2200)
E62-N2RU-M2300	Indoor Nano Radio Module, 20 dBm, 2300 MHz (UL 2305-2315 / DL 2350-2360)
E62-N2RU-M2500T	Indoor Nano Radio Module, 20 dBm, 2500 MHz TDD (2496-2690)
E62-N2RU-M3600T	Indoor Nano Radio Module, 20 dBm, 3600 MHz TDD CBRS (3550-3700)
E62-N2RU-D-Shroud	Dual N2RU Shroud
E62-N2-7F8517192325-E-1	E62-N2, 400 MHz, 700 L & U, FirstNet,800/850, AWS, PCS, WCS, TDD 2500, External Antenna, 10 km BiDi SFP
E62-N2-7F8517192325-I-1	E62-N2, 400 MHz, 700 L & U, FirstNet,800/850, AWS, PCS, WCS, TDD 2500, Integrated Antenna, 10 km BiDi SFP
E62-N2-7F851719-E-1	E62-N2, 400 MHz, 700 L & U, FirstNet,800/850, AWS, PCS, External Antenna, 10 km BiDi SFP
E62-N2-7F851719-I-1	E62-N2, 400 MHz, 700 L & U, FirstNet,800/850, AWS, PCS, Integrated Antenna, 10 km BiDi SFP
E62-N2-25252525-I-1	E62-N2, 400 MHz, 4X TDD 2500, Integrated Antenna, 10 km BiDi SFP
E62-N2-25252525-E-1	E62-N2, 400 MHz, 4X TDD 2500, External Antenna, 10 km BiDi SFP
E62-N2-252525252525-E-1	E62-N2, 400 MHz, 6X TDD 2500, External Antenna, 10 km BiDi SFP
E62-N2-252525252525-I-1	E62-N2, 400 MHz, 6X TDD 2500, Integrate Antenna, 10 km BiDi SFP
E62-N2-7F8517192525-E-1	E62-N2, 400 MHz, 700 L & U, FirstNet,800/850, AWS, PCS, 2x TDD 2500, External Antenna, 10 km BiDi SFP
E62-N2-7F8517192525-I-1	E62-N2, 400 MHz, 700 L & U, FirstNet,800/850, AWS, PCS, 2x TDD 2500, Integrated Antenna, 10 km BiDi SFP
Remote Unit Modules, Mid Power	
E62-M2RU-OD-4-DC	Outdoor Mid-Power Remote Unit, Sub6 GHz, Dual Band 2T2R or Single Bands 4T4R, DC Powered
E62-M2RU-OD-M1900	Outdoor Mid-Power Remote Unit PA Module, 1900 MHz (UL 1850-1915 / DL 1930-1995), 2T2R

E62-M2RU-OD-M2100A	Outdoor Mid-Power Remote Unit PA Module, 2100 MHz AWS (UL 1710-1780 / DL 2110-2200), 2T2R
E62-M2RU-OD-M2500T	Outdoor Mid-Power Remote Unit PA Module, 2500 MHz TDD (UL/DL 2496-2690), 2T2R
E62-M2RU-OD-M3600T	Outdoor Mid-Power Remote Unit PA Module, 3600 MHz TDD (UL/DL 3550-3700), 2T2R
E62-M2-1717-1919-1	E62-M2, 2x2 (AWS, PCS), 10 km BiDi SFP
E62-M2-1717-2525-1	E62-M2, 2x2 (AWS, TDD 2500), 10 km BiDi SFP
E62-M2-1919-2525-1	E62-M2, 2x2 (PCS, TDD 2500), 10km BiDi SFP
E62-M2-2525-2525-1	E62-M2, 4x4 TDD 2500, 10km BiDi SFP
Remote Unit Modules, High Power	
E62-HPRU-OD-2-AC	Outdoor High-Power Remote Unit Chassis, Supports up to 2 Discrete Bands, AC Powered
E62-HPRU-OD-2-DC	Outdoor High-Power Remote Unit Chassis, Supports up to 2 Discrete Bands, DC Powered
E62-H2RU-OD-2-AC	Outdoor H2RU Chassis, Supports up to 2 Discrete Bands, AC Powered
E62-H2RU-OD-2-DC	Outdoor H2RU Chassis, Supports up to 2 Discrete Bands, DC Powered
E62-HP-F-OD-2-AC	Outdoor High-Power Remote Unit Chassis, Supports one DPD PA module and one FFPA module, AC Powered
E62-HP-F-OD-2-DC	Outdoor High-Power Remote Unit Chassis, Supports one DPD PA module and one FFPA module, DC Powered
E62-HPRU-OD-M600	Outdoor High-Power Remote Unit Module, 600 MHz (UL 663-698 / DL617-652), 10W output power
E62-HPRU-OD-M700L	Outdoor High-Power Remote Unit Module, 700 MHz Lower (UL 698-716 / DL 728-746)
E62-HPRU-OD-M700U	Outdoor High-Power Remote Unit Module, 700 MHz Upper (UL 776-787 / DL 746-757)
E62-HPRU-OD-M700LUPS	Outdoor High-Power Remote Unit Module, 700 MHz Upper & Lower (UL 698-716|776-798 / DL 728-768)
E62-HPRU-OD-M850E	Outdoor High-Power Remote Unit Module, 850 MHz Extended (UL 814-849 / DL 859-894)
E62-HPRU-OD-M1900	Outdoor High-Power Remote Unit Module, 1900 MHz (UL 1850-1915 / DL 1930-1995)
E62-HPRU-OD-M2100A	Outdoor High-Power Remote Unit Module, 2100 MHz (UL 1710-1780 / DL 2110-2180)
E62-HPRU-OD-M2300	Outdoor High-Power Remote Unit Module,2300 MHz (UL 2305-2315 / DL 2350-2360)

E62-H2RU-OD-M2100A	Outdoor High-Power Remote Unit Module, 2100 MHz (UL 1710-1780 / DL 2110-2200)
E62-H2RU-OD-M2500TL	Outdoor High-Power Remote Unit Module, 2500 MHz TDD Lower (2496-2596)
E62- H2RU-OD-M2500TU	Outdoor High-Power Remote Unit Module, 2500 MHz TDD Upper (2590-2690)
E62-HP-AC-17-19-1	E62-HP, AWS, PCS, 10 km BiDi SFP, AC
E62-HP-DC-17-19-1	E62-HP, AWS, PCS, 10 km BiDi SFP,
E62-H2-AC-25-25-1	E62-H2, 2500 TDD, 10 km BiDi SFP, AC
E62-H2-DC-25-25-1	E62-H2, 2500 TDD, 10 km BiDi SFP, DC

This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC License to operate this device. NOTE: Only authorized person can enter the area where the antenna is installed. And the person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. Awareness of the potential for RF exposure in a workplace or similar environment can be provided through specific training as part of a RF safety program.

WARNING. This is **NOT** a **CONSUMER** device. It is designed for installation by **FCC LICENSEES** and **QUALIFIED INSTALLERS**. You **MUST** have an **FCC LICENSE** or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of $100,000 for each continuing violation.

Any use of unauthorized antennas, cables, and/or coupling devices will lead to not conforming with ERP/EIRP requirement. This device should use original RF accessories, any change of different accessories should consult the manufacture.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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