ERA® Ordering Guide

Wireless Product Solutions for US market

Q3 2024

COMMSCOPE®

Contents

ERA® C-RAN Antenna System

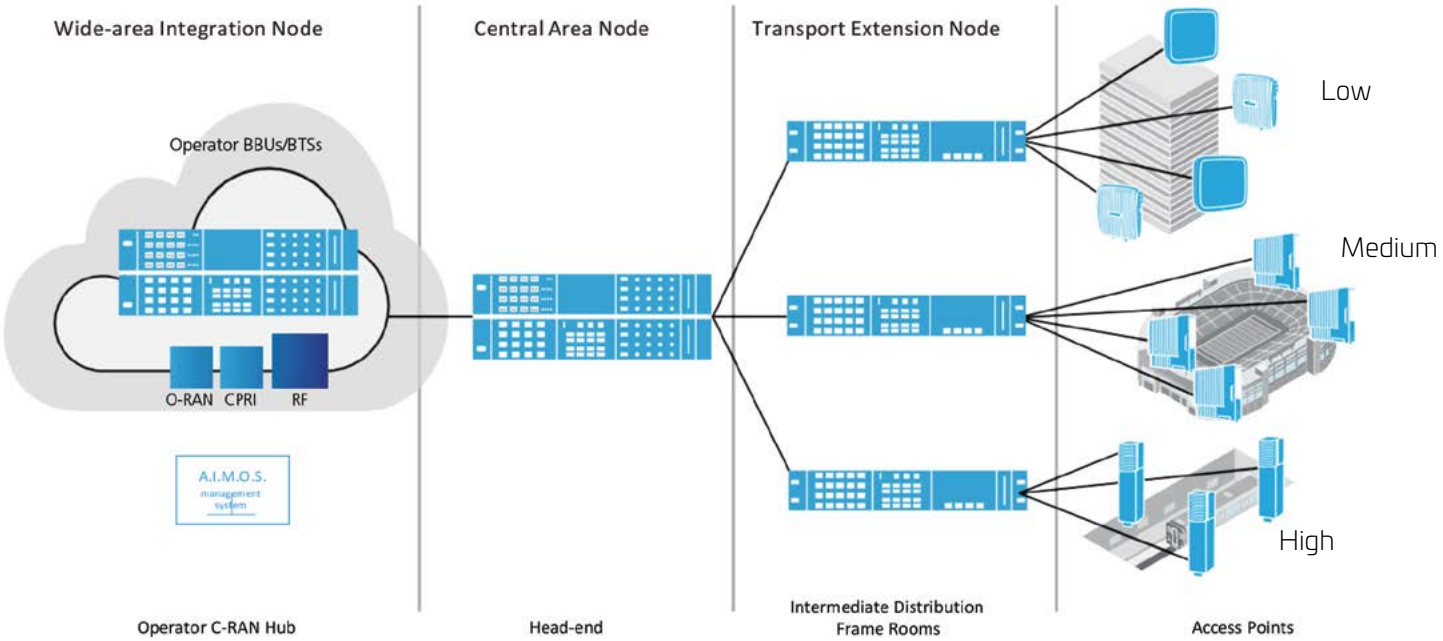
ERA C-RAN antenna system is built on C-RAN architecture that consolidates and simplifies distributed antenna system head-end resources and flexibly allocates capacity where and when it's needed across the covered area through a simple drag-and-drop software interface.

Cloud and centralized radio access networks (C-RAN) represent a shift in the way operators are managing wireless capacity. This breakthrough architecture offers substantial advantages in both capex and opex. ERA extends C-RAN advantages to in-building wireless solutions.

Like a distributed antenna system, CommScope's ERA C-RAN antenna system employs a network of interconnected antennas that provide users access to the wireless network. However, unlike traditional distributed antenna system solutions, CommScope's C-RAN antenna system coordinates wireless capacity throughout a campus, office park or even a metro area from a centralized head-end location or even from operators' existing C-RAN hubs.

Benefits

- Consolidates baseband functions into a single, less complex head-end instead of requiring one in each building
- Flexibly and dynamically allocates baseband capacity across many buildings
- Requires less fiber and can even share fiber with other services for major deployment cost savings

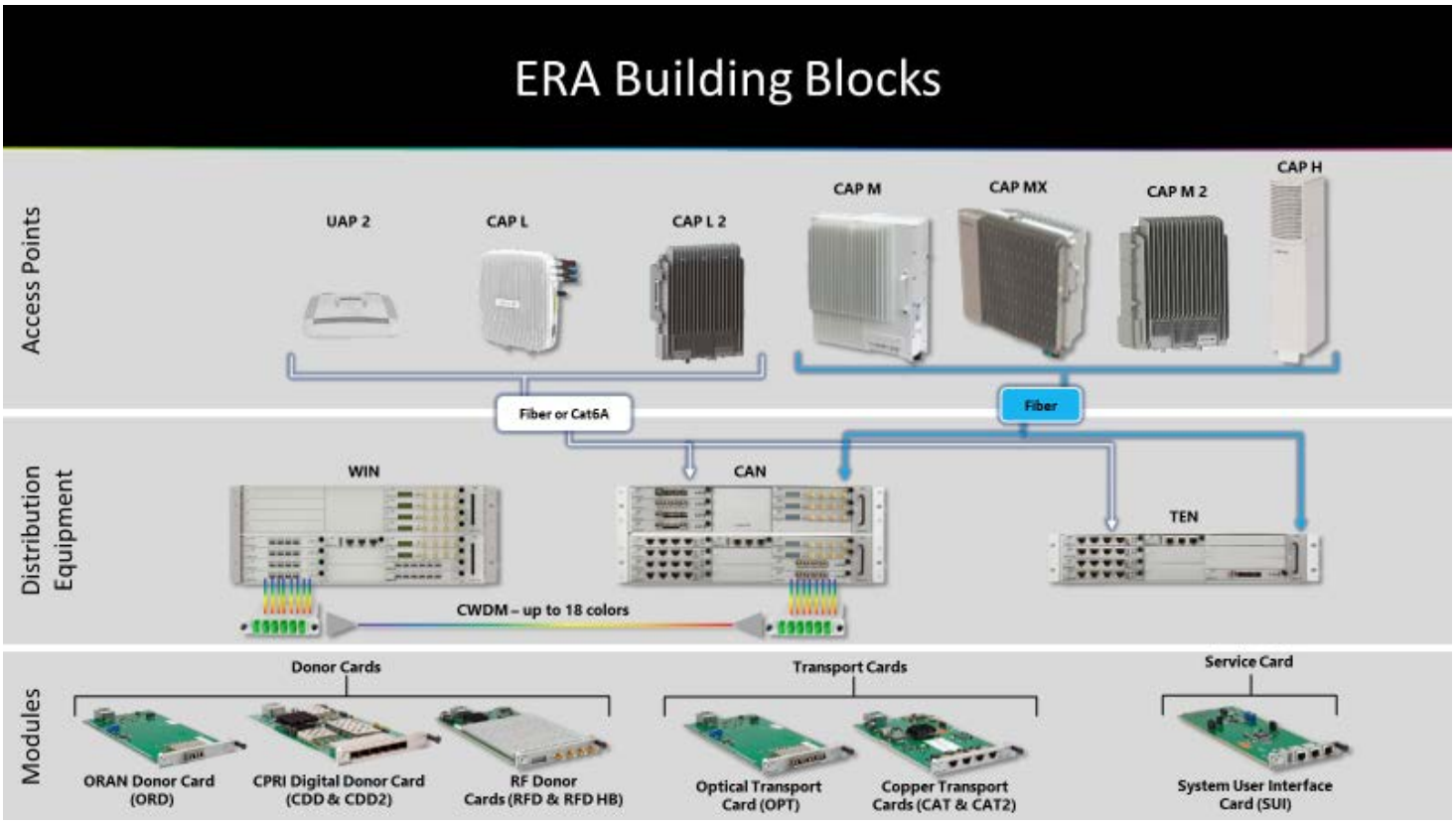


System Configuration

Modular, Frequency Agnostic Building Blocks

ERA makes it easy to deploy, confi gure and optimize in-building wireless solutions. A small set of frequency-independent building blocks is all that's required for complete fl exibility and scalability, from small offi ce buildings to large, complex venues.

- All components support all frequency bands
- IT physical layer infrastructure converged
- Automatic configuration and dynamic optimization
- Advanced operational, optimization,and troubleshooting capabilities



Head-End: Attenuators, e-POI Subrack and Modules

ERA's universal 4U e-POI rack supports up to 8 RF modules. Each e-POI module is capable of handling any frequency band and hosts 4 independent RF paths.

Ordering Information

Description	CommScope Material ID
e-POI Subrack Supports up to 8 RF modules	
e-POI RF Module	7761433-00
e-POI RF Module High Band	A7850159-00
e-POI Blank Module	7673474-01
e-POI Subrack with (1) Interface Card	7676311-01
e-POI Interface Card (IFC)	7676260-01

Subtrack
(767311-01)

RF Module
(7761433-00)

Specifications - e-POI Modules

Electrical	
Operational Frequency, MHz - e-POI RF Module	380 to 2700
Operational Frequency, MHz - e-POI HB Module	1700 – 4200
RF Input Power, dBm	+46
Attenuation, dB	30 ±2
PIM @ 2x20 Watts (3rd order), dBc	-160 typical
	-155 max
Input Voltage, Vdc	12
Power Consumption, Watts per Module	10

Mechanical	
Connector	RF input: 4.3-10
	RF output: QMA
Height x Width x Depth, mm (in)	170 x 50 x 440 (6.7 x 1.96 x 17.3)
Weight, kg (lb)	5.7 (12.5)
Operating Temperature, °C (°F)	-5 to +50 (+23 to +122)

Specifications - e-POI Subrack

Electrical	
RF Modules	8
Interface Card	1

Mechanical	
Dimensions: Height x Width x Depth, mm (in)	4U x 482 x 395 (4U x 19 x 15.5)
Weight, kg (lb)	7.7 (16.94)
Operating Temperature, °C (°F)	-5 to +50 (+23 to +122)

Head-End: Attenuators, e-POI Interface Card

Ordering Information

Description	CommScope Material ID
e-POI Interface Card (IFC)	7676260-01

Specifications

Electrical	
Input Voltage, Vdc	12
Power Consumption, Watts	3.6
Mechanical	
Height x Width x Depth, mm (in)	170 x 35 x 390 (6.7 x 1.4 15.3)
Weight, kg (lb)	0.5 (1.1)
Operating Temperature, °C (°F)	-5 to +50 (+23 to +122)

Accessories

Ordering Information

Description	Length	CommScopeMaterial ID
CNT Braided Cable Jumpers 50 Ohm, black non-halogenated, fire retardant polyolefin jacket, Dca s2 d2 compliant		
QMA Male to QMA Male	0.6 meter	7855828
	1 meter	7855826
	2 meter	7855827

Head-End: WCS Subracks

Features:

- WCS subracks may be used as CANs, TENs or WINs
- All cards are used universally to support all frequency bands
- Universal slots recognize inserted cards
- Configuration, optimization, and upgrades are rendered from a GUI, either locally or remotely

WCS-2

WCS-4

Ordering Information

Description	Dimensions (HxWxD)	Product Code	CommScope Material ID
Wireless Communication Switch (WCS) Subracks, AC			
2 RU, 11 card slots	2 U x 482 x 450 mm	WCS-2	7635443-01
4 RU, 19 card slots	4 U x 482 x 450 mm	WCS-4	7635442-01
2 RU, 11 card slots (Required for CDD2, ORD and OPT 2)	4 U x 482 x 450 mm	WCS-2	7635443-03
4 RU, 19 card slots (Required for CDD2, ORD and OPT 2)	4 U x 482 x 450 mm	WCS-4	7635442-03
WCS Embedded Power Supply Unit Subrack, DC			
2 RU, 11 card slots, 48vdc	2U x 482 x 450 mm	WCS DC 2HU	7844067-00
4 RU, 19 card slots	4U x 482 x 450 mm	WCS DC 4HU	7844068-00
2 RU, 11 card slots (Required for CDD2, ORD and OPT 2)	2U x 482 x 450 mm	WCS DC 2HU	7844067-02
4 RU, 19 card slots (Required for CDD2, ORD and OPT 2)	4U x 482 x 450 mm	WCS DC 4HU	7844068-02
Accessories			
WCS Fan Tray			7635468
WCS Air Filter			7700691

Specifications

Electrical

Input Voltage, Vdc	Subrack:	12
	Power over CAT:	57
Input Voltage, WCS, DC	Subrack:	-48vdc
	Power over CAT:	Not Supported
Power Consumption , Watts	WCS-2	45
	WCS-4	70

Transport Media

Category 6A	CommScope GigaSPEED® X10D®; or equivalent
MM fiber	CommScope LazrSPEED® ; or equivalent
SM fiber	CommScope TeraSPEED® ; or equivalent

Mechanical

Number of Card Slots	WCS-2:	11
	WCS-4:	19
Height x Width x Depth, mm (in)	WCS-2:	2U x 482 x 450 (2U x 19" x 17.7)
	WCS-4:	4U x 482 x 450 (4U x 19" x 17.7)
Weight, kg (lb)	WCS-2:	7.6 (16.7)
	WCS-4:	10.8 (23.8)
Operating Temperature, °C (°F)	+5 to +40	(+41 to +104)

Head-End: Modules/Cards

Ordering Information

Description	Product Code	CommScope Material ID
RF Donor Card 4 (QMA Female) x analogue links to BTS	RFD	7633229-05
RF Donor Card High Band 4 (QMA Female) x analogue links to BTS	RFD-HB	7841277-00
O-RAN Digital Donor (ORD)	ERA ORD ORAN	7851464-00
Nokia CPRI Digital Donor Card (CDD2)	CDD2	Contact Nokia for Information
Copper Transport Card (CAT2) 4 (RJ45) x 10 Gb-Ethernet links to copper UAP 2 and copper CAP L2	CAT2	7847569-00
Optical Transport Card 4 (SFP+ module*) x optical links to TEN, WIN or fiber CAP	OPT	7642123-01
Blank Module, Universal Slot	BP-UNV	7688866-00
Blank Module, Auxiliary Transport Slot	BP-AUT	7688867-00
Blank Module, System User Interface Slot	BP-SUI	7688868-00
System User Interface Card Service ports for LMT, LAN and modem connect, 3 x RJ45, USB	SUI	7642125-00

RFD

CAT2

BP-UNV

SUI

Specifications

RF Donor Card (RFD)
4 x analogue links to BTS

Electrical	
Operational Frequency, MHz	380 to 2700
RF Input Power, dBm	-5 to +16
Bandwidth per Port, MHz	75
Bandwidth Total, MHz	320
RF Interface	Rx, Tx, or Rx/Tx
Input Voltage, Vdc	12
Power Consumption, Watts	45

Mechanical	
Connection	4x QMA female
Height x Width x Depth, mm (in)	20 x 145 x 300 (0.8 x 5.7 x 11.8)
Weight, kg (lb)	0.54 (1.2)
Operating Temperature, °C (°F)	+5 to +40 (+41 to +104)

Specifications continued

RF Donor Card High Band (RFD HB)
4 x analogue links to BTS

Electrical	
Operational Frequency, MHz	1700 to 4200
RF Input Power, dBm	-5 to +16
Bandwidth per Port, MHz	100
Bandwidth Total, MHz	320
RF Interface	Rx, Tx, or Rx/Tx
Input Voltage, Vdc	12
Power Consumption, Watts	58

Mechanical	
Connection	4x QMA female
Height x Width x Depth, mm (in)	20 x 145 x 300 (0.8 x 5.7 x 11.8)
Weight, kg (lb)	0.54 (1.2)
Operating Temperature, °C (°F)	+5 to +40 (+41 to +104)

O-RAN Digital Donor (ORD)
Single height ERA WCS card

Electrical	
Input Voltage, Vdc	12
Power Consumption, Watts	85

Mechanical	
Connection	LC | SFP+
Height x Width x Depth, mm (in)	20 x 145 x 300 (0.8 x 5.709 x 11.8)
Weight, kg (lb)	0.6 (1.323)
Operating Temperature, °C (°F)	0 to +40 (+32 to +104)

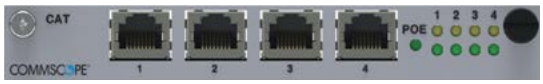
Nokia CPRI Digital Donor Card (CDD2)
6 x CPRI links to base band unit
Nokia part sold by Nokia

Electrical	
Input Voltage, Vdc	12
Power Consumption, Watts	40
CPRI Line Rates, Gbps	Rate 3,5 and 7
Radio Access Technology	LTE-FDD, NR FDD, NR TDD
Number of Carriers per Port	1 to 4
Bandwidth Total, MHz	240 FDD, 320 TDD

Mechanical	
Connection	6x SFP Module*
Height x Width x Depth, mm (in)	20 x 145 x 300 (0.8 x 5.7 x 11.8)
Weight, kg (lb)	0.47 (1.045)
Operating Temperature, °C (°F)	+5 to +40 (+41 to +104)

*SFP+ ports sold separately

Specifications continued



Copper Transport Card (CAT2)
4 x 10 Gb-Ethernet links to UAP 2 or CAP L2
(dual link for PoE++)

Electrical	
Input Voltage, Vdc	12
Power Consumption, Watts	26
Power over Ethernet	2 circuits / port
Number of UAP2/CAP L2 supported	2 max.

Mechanical	
Connection	4x RJ45
Height x Width x Depth, mm (in)	20 x 145 x 300 (0.8 x 5.7 x 11.8)
Weight, kg (lb)	0.44 (0.96)
Operating Temperature, °C (°F)	+5 to +40 (+41 to +104)

Optical Transport Card (OPT)
4 x optical links to TEN, WIN or fiber CAP

Electrical	
Input Voltage, Vdc	12
Power Consumption, Watts	8

Mechanical	
Connection	4x SFP + module*
Height x Width x Depth, mm (in)	20 x 145 x 300 (0.8 x 5.7 x 11.8)
Weight, kg (lb)	0.28 (0.61)
Operating Temperature, °C (°F)	+5 to +40 (+41 to +104)

*SFP+ ordered separately

System User Interface (SUI)
Service ports for LMT, LAN and modem connect

Electrical	
Input Voltage, Vdc	12
Power Consumption, Watts	1.5

Mechanical	
Connection	3x RJ45, USB
Height x Width x Depth, mm (in)	20 x 107 x 300 (0.8 x 4.2 x 11.8)
Weight, kg (lb)	0.15 (0.33)
Operating Temperature, °C (°F)	+5 to +40 (+41 to +104)

Head-End: Power Supply

ERA simplifies ordering with one universal power supply subrack and two standard power modules hosting 2x 12 Vdc and 2x 57 Vdc in a single shelf.

Power Supply Unit Shelf

Features:

- 1U height minimizes rack space usage
- Redundant 12 Vdc and 57 Vdc modules
- Hot-swapped functionality
- Powers WCS subracks, access points and connected devices
- PSU subrack and modules for each WCS subrack

PSU-12V-AC

PSU-57V-AC

Ordering Information

Description	Product Code	CommScope Material ID
Power Supply Unit Subrack, AC Accommodates 4 power supply units Dimensions (HxWxD) 1 RU x 483 x 495 mm	PSU-SR-AC	7693531-00
Power Supply Units		
12 Vdc, 100-240 Vac	PSU-12V-AC	7663610-00
57 Vdc, 100-240 Vac	PSU-57V-AC	7663468-00

Specifications - Power Supply Subrack

Electrical			Use
Modules	2	12 Vdc	WCS
	2	57 Vdc	Power over CAT
Redundancy	Yes		
Current Share	Yes		

Mechanical	
Connection	IEC60320 C19
Height x Width x Depth, mm (in)	1U x 482 x 495 (1U x 19 x 19.5)
Weight, kg (lb)	4.2 (9.2)
Operating Temperature, °C (°F)	+5 to +40 (+41 to +104)

Specifications - Power Supply Units

Electrical	**12Vdc Module**	**57Vdc Module**
Input Voltage, Vac	85 to 264	85 to 264
Input Frequency Range, Hz	47 to 63	47 to 66
Output Voltage, Vdc	12	57
Output Power, Watts	90-132 Vac: 750	90-140 Vac: 1200
	180-264 Vac: 1250	185-300 Vac: 2000

Mechanical		
Height x Width x Depth, mm (in)	42 x 100 x 285 (1.6 x 3.9 x 11.2)	42 x 100 x 350 (1.6 x 3.9 x 13.8)
Weight, kg (lb)	1.4 (3.08)	2.3 (5.06)
Operating Temperature, °C (°F)	-10 to +55 (+14 to +131)	-10 to +55 (+14 to +131)

Access Points

The ERA access points offer a wide variety of customization options. They can be fitted with various antenna types and power levels to suit indoor, outdoor or mixed deployments. They feature external antenna ports for performance, aesthetics and signal shaping, and allow embedded MIMO support to deliver top data speeds.

Features:

- A range of power levels to economically cover large indoor and outdoor spaces
- Outdoor and plenum ratings to allow widest variety of deployment scenarios
- Copper or fiber connections to suit short or long cable runs
- Power over category cable or remote power through hybrid fiber support
- Daisy-chaining capability for additional carrier access points or other IP device

Multiple Access Point Options <3GHz

Specifications







	UAP2	CAP L	CAP L2	CAP M	CAP M2	CAP MX	CAP H
Output Power	+24 dBm	+18 dBm (< 1GHz) +21 dBm (> 1GHz)	+21 dBm	30 dBm	+33 dBm	+29 dBm (<1GHz), +33 dBm 1900MHz and 2100MHz, +30 dBm 2300MHz, +32 dBm 2500MHz	+43 dBm
Frequency Bands	4, 2x2 MIMO	4	4, 2x2 MIMO	4	4, 2x2 MIMO	10	4
Antennas	Embedded 2x2 MIMO	External	Embedded 2x2 MIMO	External	Embedded 2x2 MIMO	External	External
Outdoor Rated	No	Yes	Yes	Yes	Yes	Yes	Yes
Plenum Rated	No	Yes	Yes	Yes	Yes	Yes	Yes
Network Connection	Copper or Fiber	Copper or Fiber	Copper or Fiber	Fiber	Fiber	Fiber	Fiber
Height x Width x Depth mm (in)	345 x 345 x 91 (13.58 x 13.53 x 3.58)	424 x 388 x 110 (16.69 x 15.28 x 4.33)	500 x 355 x 100 (19.685 x 13.976 x 3.937)	514 x 453 x 460 (20.24 x 17.83 x 6.30)	460 x 350 x 215 (18.11 x 13.78 x 8.465)	475 x 569 x 191 (18.7 x 22.4 x 7.5)	824 x 176 x 220 (32.44 x 6.93 x 8.66)
Weight	13.90 lbs	23.10 lbs	31.96 lbs	44.98 lbs	41.89lbs	78.20 lbs	63.93 lbs

Multiple Access Point Options >3GHz





	UAP2	**CAP-L2 C-Band**	**CAP-L2 C-Band + DoD**	**CAP-M2 C-Band**	**CAP-M2 C-Band + DoD**
Output Power	+24dBm	+21 dBm	+21 dBm	+34 dBm	+34 dBm
Frequency Bands	Full C-Band DoD, 2x2 MIMO	Full C-Band, 2x2 MIMO	Full C-Band DoD, 2x2 MIMO	Full C-Band, 2x2 MIMO	Full C-Band DoD, 2x2 MIMO
Antennas	Embedded 2x2 MIMO	Embedded 2x2 MIMO	Embedded 2x2 MIMO	Embedded 2x2 MIMO	Embedded 2x2 MIMO
Outdoor Rated	No	Yes	Yes	Yes	Yes
Plenum Rated	No	Yes	Yes	Yes	Yes
Network Connection	Copper or Fiber	Copper or Fiber	Copper or Fiber	Fiber	Fiber
Height X Width X Depth mm (In)	345 x 345 x 91 (13.58 x 13.53 x 3.58)	500 x 355 x 100 (19.685 x 13.976 x 3.937)	500 x 355 x 100 (19.685 x 13.976 x 3.937)	460 x 350 x 215 (18.11 x 13.78 x 8.465)	460 x 350 x 215 (18.11 x 13.78 x 8.465)
Weight	13.90 lbs	31.96 lbs	31.96 lbs	41.89lbs	41.89lbs

ERA Carrier Access Point Low Power

UAP2 Ordering Information

Description	Network Connection	Power	Product Code	CommScope Material ID
UAP2 - Two radio module variants				
UAP2 supporting 2500 TDD and C-Band, Fiber fed	Fiber	External DC	UAP2 25T/37T F-DC	7845389-1028
UAP2 supporting 3.45 DoD and C-Band, Fiber fed	Fiber	External DC	UAP2 34T/37T F-DC	7845389-1029
UAP2 supporting AWS 1700 and PCS 1900, Fiber fed	Fiber	External DC	UAP2 17E/19 F-DC	7845389-1025
UAP2 supporting 2500 TDD and C-Band, Power over CAT	Copper	PoE	UAP2 25T/37T C-PE	7845389-0028
UAP2 supporting 3.45 DoD and C-Band, Power over CAT	Copper	PoE	UAP2 34T/37T C-PE	7845389-0029
UAP2 supporting AWS 1700, and PCS 1900, Power over CAT	Copper	PoE	UAP2 17E/19 C-PE	7845389-0025
UAP2 - Four radio module variants				
UAP2 supporting 2500 TDD, 3.45 DoD and C-Band, Fiber fed	Fiber	External DC	UAP2 25T/34T/37T/37T F-DC	7845389-1030
UAP2 supporting AWS 1700, PCS 1900, 2500 TDD, and C-Band, Fiber fed	Fiber	External DC	UAP2 17E/19/25T/37T F-DC	7845389-1031
UAP2 supporting LMR 750, USA 700, USA 750, AWS 1700, PCS 1900, and C-Band, Fiber fed	Fiber	External DC	UAP2 7E/17E/19/37T F-DC	7845389-1032
UAP2 supporting SMR 800 and CEL 850, AWS 1700, PCS 1900, and C-Band, Fiber fed	Fiber	External DC	UAP2 80-85/25T/34T/37T F-DC	7845389-1033
UAP2 supporting SMR 800 and CEL 850, AWS 1700, PCS 1900, and C-Band, Fiber fed	Fiber	External DC	UAP2 80-85/17E/19/37T F-DC	7845389-1034
UAP2 supporting 2500 TDD, 3.45 DoD and C-Band, Power over CAT	Copper	PoE	UAP2 25T/34T/37T/37T C-PE	7845389-0032
UAP2 supporting AWS 1700, PCS 1900, 2500 TDD, and C-Band, Power over CAT	Copper	PoE	UAP2 17E/19/25T/37T C-PE	7845389-0031
UAP2 supporting LMR 750, USA 700, USA 750, AWS 1700, PCS 1900, and C-Band, Power over CAT	Copper	PoE	UAP2 7E/17E/19/37T C-PE	7845389-0032
UAP2 supporting SMR 800 and CEL 850, 2500 TDD, 3.45 DoD and C-Band, Power over CAT	Copper	PoE	UAP2 80-85/25T/34T/37T C-PE	7845389-0033
UAP2 supporting SMR 800 and CEL 850, AWS 1700, PCS 1900, and C-Band, Power over CAT	Copper	PoE	UAP2 80-85/17E/19/37T C-PE	7845389-0034

UAP2 Accessories Ordering Information

Description	CommScope Material ID
UAP Accessories	
UAP2 Wall mount Kit (included with UAP2)	7849969
UAP2 C-PE mounting kit	OC-10A0-003
UAP 2 240W LOCAL AC PSU	7850080-00
CABLE ASSY, UAP 2 LOCAL POWER JUMPER, 3m	7850084-00
UAP2 Power cable 0.5 m	7850085
UAP2 Hybrid Fiber Splice Kit	7693816

ERA Carrier Access Point Low Power

CAP L2 Ordering Information

Description	Network Connection	Power	Product Code	CommScope Material ID
ERA New Generation Access Points				
Carrier Access Point with MIMO 2x2 Radio Module for Low Power C-BAND Applications, Copper Fed, Power over CAT Powered, without Fan Kit	Copper	PoE	CAP L2 C-Band C-PE	7845390-0018
Carrier Access Point with MIMO 2x2 Radio Module to Support for Medium Power USA 600, LMR 750, USA 700, USA 750, SMR 800 and CEL 850 Applications, Copper Fed	Copper	PoE	CAP L2 6/7E/80-85 C-PE	7845390-0008
Carrier Access Point with up to four MIMO 2x2 Radio Module for Low Power AWS 1700, PCS 1900, WCS 2300, and TDD 2500 Applications, Copper Fed, Power over CAT	Copper	PoE	CAP L2 17E/19/23/25T C-PE	7845390-0007
Carrier Access Point with MIMO 2x2 Radio Module for Low Power C-BAND and 345 Applications, Copper Fed, Power over CAT Powered	Copper	PoE	CAP L2 34T/37T/37T C-PE	7845390-0035
Carrier Access Point with MIMO 2x2 Radio Module for Low Power C-BAND Applications, Fiber Fed, External DC Powered, without Fan Kit	Fiber	External DC	CAP L2 C-Band F-DC	7845390-1018
Carrier access point with MIMO 2x2 radio module to support for medium power USA 600, LMR 750, USA 700, USA, 750, SMR 800 and CEL 850 applications	Fiber	External DC	CAP L2 6/7E/80-85 F-DC	7845390-1008
Carrier access point with up to four MIMO 2x2 radio modules for low power AWS 1700, PCS 1900, WCS 2300 and TDD 2500 applications	Fiber	External DC	CAP L2 17E/19/23/25T F-DC	7845390-1007
Carrier Access Point with MIMO 2x2 Radio Module for Low Power C-BAND and 345 Applications, Fiber Fed, External DC Powered	Fiber	External DC	CAP L2 34T/37T/37T F-DC	7845390-1035

Note: The above products are not released yet; please contact CommScope for further information.

CAP L2 Accessories

Description	CommScope Material ID
CAP L2 Accessories	
CAP L2 Mounting Bracket (Two per box)	A7848842
CAP L 240W Local AC Power Supply Kits - No Cord	7775087-00
CAP L 240W Local AC Power Supply Kits - With Cord	7809798-00
CAP L and L2 power cables .05 meter	7774061
CAP L and L2 power cables 3 meter	7816237-00
CAP L PWR SUPPLY/HYBRID FIBER MTG KIT	7774354-01
CAP M2 and CAP L2 Dual Mount Adapter	7853673
OCTIS/Cable Protective Kit	7823597
Hybrid Fiber Splice Box Kit	7693816-00

A7848842

ERA Carrier Access Point Low Power

CAP L Ordering Information

Description	Network Connection	Powered	Fan Kit	Product Code	CommScope Material ID
CAP L - Carrier Access Point for Low Power 4-Band Support					
AWS 1700 MIMO and WCS 2300 MIMO Applications	Copper Fed	Power Over CAT	Without Fan Kit	CAP L 17E/17E/23/23 C-PE	7770203-0004
	Fiber Fed	External DC	Without Fan Kit	CAP L 17E/17E/23/23 F-DC	7770203-0006
AWS 1700 MIMO and PCS 1900 MIMO Applications	Copper Fed	Power Over CAT	Without Fan Kit	CAP L 17E/17E/19/19 C-PE	7770356-0004
	Fiber Fed	External DC	Without Fan Kit	CAP L 17E/17E/19/19 F-DC	7770356-0006
USA 700, USA 750, SMR 800, CEL 850, AWS 1700 and PCS 1900 Applications	Copper Fed	Power Over CAT	Without Fan Kit	CAP L 7/80-85/17E/19 C-PE	7776596-0004
	Fiber Fed	External DC	Without Fan Kit	CAP L 7/80-85/17E/19 F-DC	7776596-0006
AWS 1700 MIMO, PCS 1900, WCS 2300 and TDD 2500 Applications	Copper Fed	Power Over CAT	Without Fan Kit	CAP L 17E/19/23/25 C-PE	7776597-0004
	Fiber Fed	External DC	Without Fan Kit	CAP L 17E/19/23/25 F-DC	7776597-0006

CAP L Accessories

Description	CommScope Material ID
CAP L - Accessories	
CAP L 240W Local AC Power Supply Kits - No Cord	7775087-00
CAP L 240W Local AC Power Supply Kits - With Cord	7809798-00
CAP L and L2 power cables .05 meter	7774061
CAP L and L2 power cables 3 meter	7816237-00
CAP L PWR SUPPLY/HYBRID FIBER MTG KIT	7774354-01
CAP L Hybrid Fiber Splice Box Kit	7781091-00
Flat Mounting Kit	7774353-00
Dual Wall Mount Kit	7815440-00
Wall Mounting Bracket Kit	7848842
OCTIS Universal Connector Kit	7847069
OCTIS/Cable Protective Kit	7823597
Hybrid Fiber Splice Box Kit	7693816-00

Cap L with flat bracket kit for wall mounting

Two CAP L units mounted in dual-mount wall bracket

Local AC PSU + mounting bracket

Hybrid fiber splice box + mounting bracket

Diplexer for ERA®

ERA Carrier Access Point Medium Power

CAP M2 Ordering Information

Description	Network Connection	Voltage	Product Code	CommScope Material ID
ERA Carrier Access Point with MIMO 2x2 Radio Module for Medium and Low Power C-Band				
Carrier Access Point with MIMO 2x2 Radio Module for Medium Power C-BAND Applications, Fiber Fed, AC	Fiber	AC	CAP M2 C-Band F-AC	7851671-1001
Carrier Access Point with MIMO 2x2 Radio Module for Medium Power AWS 1700, PCS 1900, WCS 2300, and TDD 2500 Applications, Fiber Fed, AC	Fiber	AC	CAP M2 17E/19/23/25T F-AC-F1	7856326-1010
Carrier Access Point with MIMO 2x2 Radio Modules for Medium Power C-BAND and 345 Applications, Fiber Fed, AC	Fiber	AC	CAP M2 34T/37T/37T F-AC-F1	7856326-1003
Carrier Access Point with MIMO 2x2 Radio Module for Medium Power C-BAND Applications, Fiber Fed, DC	Fiber	DC	CAP M2 C-Band F-DC	7851671-1002
Carrier Access Point with MIMO 2x2 Radio Module for Medium Power AWS 1700, PCS 1900, WCS 2300, and TDD 2500 Applications, Fiber Fed, DC	Fiber	DC	CAP M2 17E/19/23/25T F-DC-F1	7856326-1011
Carrier Access Point with MIMO 2x2 Radio Module for Medium Power C-BAND and 345 Applications, Fiber Fed, DC	Fiber	DC	CAP M2 34T/37T/37T F-DC-F1	7856326-1004

CAP M2 Accessories

Description	CommScope Material ID
CAP M2 Accessories	
Wall mounting brackets CAP M2 Single 2EA	A7851753
CAP M2 and CAP L2 Dual Mount Adapter	7853673
OCTIS/Cable Protective Kit	7823597
Hybrid Fiber Splice Box Kit	7693816-00

A7851753

ERA Carrier Access Point Medium Power

CAP M and MX Ordering Information

Description	Network Connection	Powered	Product Code	CommScope Material ID
CAP M - Carrier Access Point for Medium Power 4-Band Support				
USA 700, USA 750, SMR 800, CEL 850, AWS 1700, PCS 1900 Applications	Fiber Fed	AC	CAP M 7E/80-85/17E/19 F-AC	7820478-0001
		DC	CAP M 7E/80-85/17E/19 F-DC	7820478-0002
WCS 2300 MIMO, and TDD 2500 MIMO Applications	Fiber Fed	AC	CAP M 23/23/25/25 F-AC	7820689-0001
		DC	CAP M 23/23/25/25 F-DC	7820689-0002
Wide Band Medium Power supporting 600MHz-2700MHz Applications	Fiber Fed	AC	CAP MX AC	7830127-0001
		DC	CAP MX DC	7830127-0002
Medium Power supporting Public Safety 400 UHF, 700MHz including FirstNet and 800MHz Public Safety Applications	Fiber Fed	AC	CAP M 4/70/80F-AC	7828333-0001
		DC	CAP M 4/70/80F-DC	7828333-0002

CAP M and MX Accessories

Description	CommScope Material ID
CAP M Accessories	
WALL MOUNTING BRACKETS CAP M DUAL 2EA	7821954-01
WALL MOUNTING BRACKETS CAP M SINGLE 2EA	7821955-00
Pole Mounting bracket CAP M	7692096-01
Wooden Pole Mounting bracket CAP M	7696132-01
OCTIS/Cable Protective Kit	7823597
Hybrid Fiber Splice Box Kit	7693816-00
CAP MX Accessories	
CAP MX Mounting Bracket Single	7847985-00
CAP MX Mounting Bracket Dual	7847984-00
OCTIS/Cable Protective Kit	7823597
Hybrid Fiber Splice Box Kit	7693816-00

7847985-00 7847984-00

7821954-01

A7851753

ERA Carrier Access Points High Power

CAP H Ordering Information

Description	Network Connection	Powered	Product Code	CommScope Material ID
CAP H- Carrier Access Point for High Power 4-Band Support				
AWS 1700 MIMO, PCS 1900 MIMO High Power Applications	Fiber Fed	AC	CAP H 17E/17E/19/19 F-AC-F1	7825730-0002
		DC	CAP H 17E/17E/19/19 F-DC-F1	7825730-0004
WCS 2300 MIMO, BRS 2500 TDD MIMO High Power Application	Fiber Fed	AC	CAP H 23/23/25T/25T F-AC-F1	7835476-0006
		DC	CAP H 23/23/25T/25T F-DC-F1	7835476-0008
USA 700, USA 750, SMR 800, CEL 850, AWS 1700, PCS 1900 High Power Applications	Fiber Fed	AC	CAP H 7E/80-85/17E/19 F-AC-F1	7825719-0002
		DC	CAP H 7E/80-85/17E/19 F-DC-F1	7825719-0004

CAP H Accessories

Description	CommScope Material ID
CAP H - Accessories	
Wall Mounting Kit	7661581
Pole Mounting Kit	7661538
OCTIS/Cable Protective Kit	7823597
Hybrid Fiber Splice Box Kit	7693816-00

7661581

7661538

ERA cabinets

Ordering Information

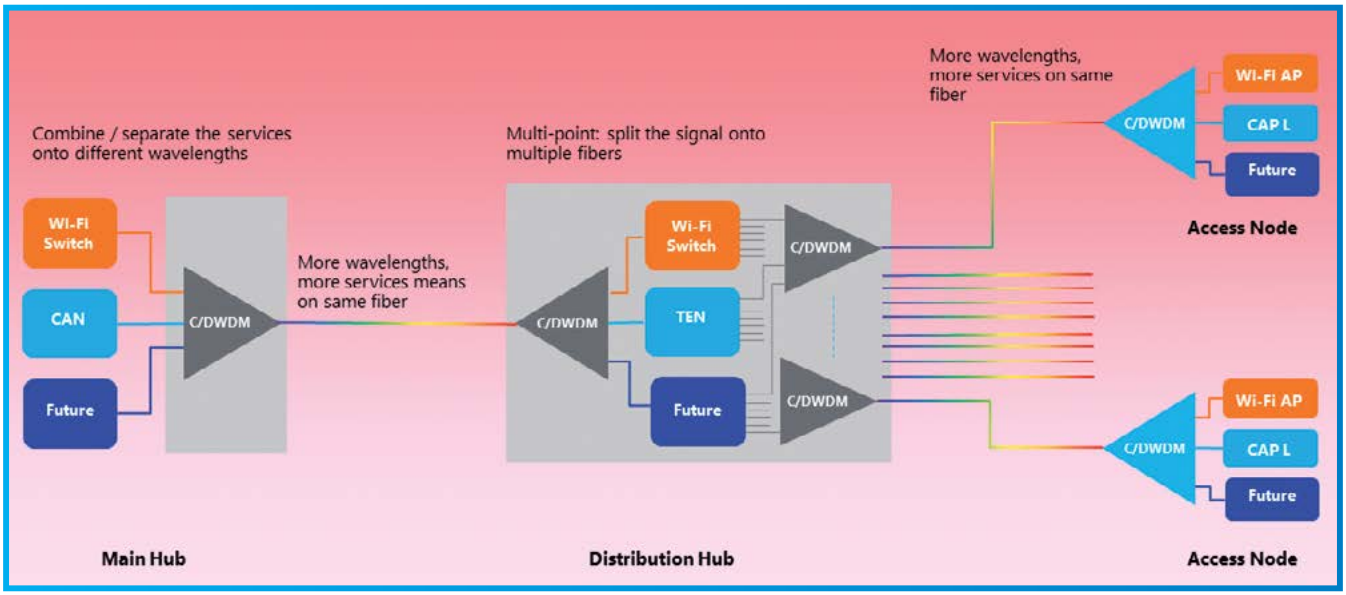
Description	CommScope Material ID
46U perforated doors 800 (D) x 800 mm (W)	7846406
37U perforated doors 800 (D) x 800 mm (W)	7846402
46U perforated doors 600 (D) x 600 mm (W)	7846381
37U perforated doors 600 (D) x 600 mm (W)	7846376

CWDM Configuration

Coarse Wavelength Division Multiplexing (CWDM) SFP+

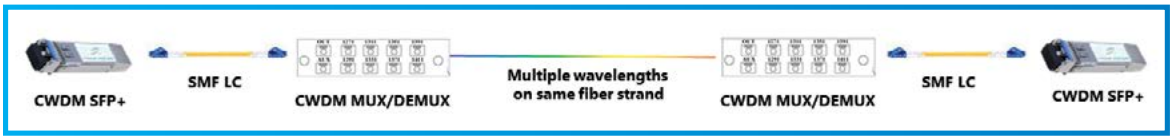
Different to analogue transmission for digital data-streams, CWDM is a very common approach to extend transport capacity while saving on fiber count or even not increasing the number of used fibers. ERA is using standard SFP+ modules for different distances (e.g. 10 km and 40 km) and different laser wave-length (e.g. 18 wave-length/colors). Even so ERA is in principle capable to work with almost any standard SFP+ module. CommScope is offering a selection of pre-qualified and approved SFP+ modules and MUX/DEMUX filters. The right selection of SFP+ colors together with the appropriate WDM-MUX/DEMUX provides the ERA WDM solution.

- 18 CWDM SFP+ (1270 to 1610)
- Placed in OPT card (WIN, CAN, TEN)
- Placed in CAP (fiber version)



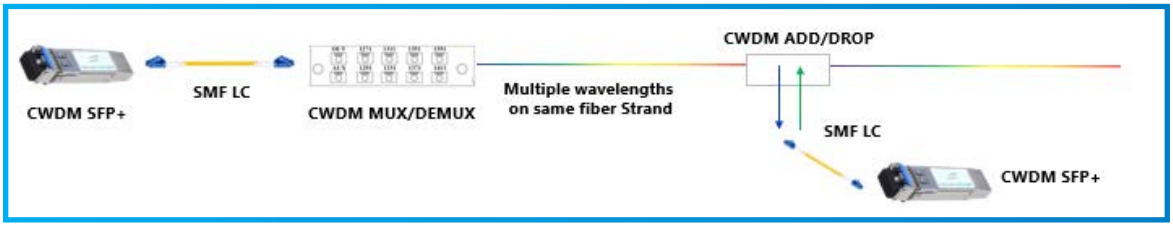
CWDM MUX & DEMUX

- Passive
- Rack Mountable
- 2, 4, 8, 18 wavelength



CWDM Add and Drop

- Passive
- Remote Unit Side Mountable
- 2 wavelength



ERA Optical Modules

Coarse Wavelength Division Multiplexing (CWDM) SFP+

Different to analogue transmission for digital data-streams, CWDM is a very common approach to extend transport capacity while saving on fiber count or even not increasing the number of used fibers. ERA is using standard SFP+ modules for different distances (e.g. 10 km and 40 km) and different laser wave-length (e.g. 18 wave-length/colors). Even so ERA is in principle capable to work with almost any standard SFP+ module.

CommScope is offering a selection of pre-qualified and approved SFP+ modules and MUX/DEMUX filters.
The right selection of SFP+ colors together with the appropriate WDM-MUX/DEMUX provides the ERA WDM solution.

Features

- 18 CWDM SFP+ (1270 to 1610)
- Placed in OPT card (WIN, CAN, TEN)
- Placed in CAP (fiber version)

SFP+ Multimode

SFP+ Singlemode

Ordering Information

Description	CommScope Material ID
SPF+ Modules	
10G BASE, LC (singlemode, 1310 nm)	7680813
10G BASE, LC (multimode, 850 nm)	7660511
SFP+ 10GBase CWDM, 40km	
SFP+ 10GBase CWDM-270 40km	A7803247
SFP+ 10GBase CWDM-290 40km	A7803249
SFP+ 10GBase CWDM-310 40km	A7803291
SFP+ 10GBase CWDM-330 40km	A7803293
SFP+ 10GBase CWDM-350 40km	A7803295
SFP+ 10GBase CWDM-370 40km	A7803298
SFP+ 10GBase CWDM-390 40km	A7803900
SFP+ 10GBase CWDM-410 40km	A7803902
SFP+ 10GBase CWDM-430 40km	A7803904
SFP+ 10GBase CWDM-450 40km	A7803906
SFP+ 10GBase CWDM-470 40km	A7801330
SFP+ 10GBase CWDM-490 40km	A7801340
SFP+ 10GBase CWDM-510 40km	A7801342
SFP+ 10GBase CWDM-530 40km	A7801344
SFP+ 10GBase CWDM-550 40km	A7801360
SFP+ 10GBase CWDM-570 40km	A7801363
SFP+ 10GBase CWDM-590 40km	A7801365
SFP+ 10GBase CWDM-610 40km	A7801367

ERA Optical Modules continued

Ordering Information

Description		CommScope Material ID
MUX/DEMUX Rack with 3 Slots		A7818375
MUX and DEMUX without Rack, 1 Slot		
2-Wavelengths	MUX (430-450)	A7818377
	DEMUX (430-450)	A7818379
4-Wavelengths	MUX (270-330)	A7818451
	DEMUX (270-330)	A7818452
	MUX (350-410)	A7818453
	DEMUX (350-410)	A7818454
	MUX (470-530)	A7818459
	DEMUX (470-530)	A7818470
	MUX (550-610)	A7818471
	DEMUX (550-610)	A7818472
8-Wavelengths	MUX (270-410)	A7818455
	DEMUX (270-410)	A7818457
	MUX (470-610)	A7818473
	DEMUX (470-610)	A7818475
MUX and DEMUX with Rack		
18-Wavelengths	MUX (270-610)	A7818477
	DEMUX (270-610)	A7818479
CWDM Fiber Optical Modules - Add/Drop		
CWDM Add/Drop Add1291nm/Drop1271nm		A7830281
CWDM Add/Drop Add1331nm/Drop1311nm		A7830283
CWDM Add/Drop Add1371nm/Drop1351nm		A7830339
CWDM Add/Drop Add1411nm/Drop1391nm		A7830341
CWDM Add/Drop Add1451nm/Drop1431nm		A7830343
CWDM Add/Drop Add1491nm/Drop1471nm		A7830345
CWDM Add/Drop Add1531nm/Drop1511nm		A7830347
CWDM Add/Drop Add1571nm/Drop1551nm		A7830349
CWDM Add/Drop Add1611nm/Drop1591nm		A7830351
Fiber Module Mounting Kit		**A7832683-00**
BiDi 40km Kit (Parts below are included)		**A7846857**
Attenuator, LC/UPC, 7dB		A7843668
10G BIDI SFP+ TX1270/RX1330 40km		A7832204
10G BIDI SFP+ TX1330/RX1270 40km		A7832206
CSFP 20km Kit (Parts below are included)		**A7846858**
Fiber 3dB Attenuator LC/UPC, TAA		A7843666
10G CSFP+-BiDi, TX1330/RX1270 20Km		A7845629
10G SFP+, Bi-Di, 1270nmTx/1330nmRx, 20km		A7845627

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com

COMMSCOPE®

commscope.com

Visit our website or contact your local CommScope representative for more information.

© 2024 CommScope, LLC. All rights reserved.

CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners.

CO-116299.2-EN (07/24)