

# Product Specifications

## MAXnet Pre-Terminated Copper Cassettes and Adapter Plates

### KEY FEATURES

- Multiple pre-terminated solutions for the EDGE, Colo-located and Hyperscale Data Centers
- Part of the Data Center Hybrid Panel product set that offers a universal footprint solution for Fiber, Copper, Coax, HDMI and any other keystone format into a single rack space
- Purpose built Copper Cassette for rapid deployment of cross connects, console management and IP based power management solutions
- Utilizes pre-terminated copper cassettes with cable management for Cassette to Cassette or Cassette to staggered copper trunk solutions
- MAXnet Cassettes provide labeling as a service and guaranteed headroom for performance
- MAXnet pre-terminated Copper cassettes with up to 550 MHz transmission performance
- Rapid Deployment through Signamax's Just Right Density™ approach when using pre-terminated MAXnet cassettes



MAXnet 6 Port Cat 6 Pre-Terminated Cassette



MAXnet 6 Port Cat 6 Adapter Plate



MAXnet 6 Port Empty Adapter Plate

### ORDERING INFORMATION: MAXnet ADAPTER PLATES

PART NO.	DESCRIPTION
DCHC-C6-06-C	Hybrid Copper Adapter Plate , 6 Cat 6 Ports
DCHC-CA-06-C	Hybrid Copper Adapter Plate , 6 Cat 6a Ports
DCHC-R6-06-K	Hybrid Copper Adapter Plate , 6 RG6 Isolated Ports
DCHC-EC-06-N	Hybrid Copper Adapter Plate , Empty Plate

Adapter plates are unterminated for field installations

Specify color by substituting **C** in P/N with **w** **Y** **O** **R** **B** **G** **K**

### ORDERING INFORMATION: MAXnet CASSETTES

PART NO.	DESCRIPTION
DCMCK-C6CHWM-C200K	2 X 1U Hybrid Panel with 2 x MAXnet 6 Port Copper Cat 6 Cassette to Cassette, 200ft Blue CMP Trunk, 24 x 1m Cat 6 patch cord and 2 x Zero U Front and Rear Cable Managers for strain relief and patch management
DCMCK-CAACHWM-C200K	2 X 1U Hybrid Panel with 2 x MAXnet 6 Port Copper Cat 6a Cassette to Cassette, 200ft Blue CMP Trunk, 24 x 1m Cat 6 patch cord and 2 x Zero U Front and Rear Cable Managers for strain relief and patch management
DCMCK-C6CHWM-S100K	1 X 1U Hybrid Panel with 2 x MAXnet 6 Port Copper Cat 6 Short Body Adapter Plate to Red Jacks, 100ft Staggered Left White CMR Trunk, 24 x 1m Cat 6 patch cord and 1 x Zero U Front and Rear Cable Managers for strain relief and patch management

Everything needed for 12 Copper Ports

Easy Order Part Numbers utilize 2 out of the 4 available slots in the Hybrid Panels providing for additional customization or expansion

### ORDERING INFORMATION: DATA CENTER HYBRID PANEL

PART NO.	DESCRIPTION
DCHP-1U	1U Data Center Hybrid Panel, 4 Slot

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## DCMC-[AA][B][CC][D]-[E][F][G][H]-[III]

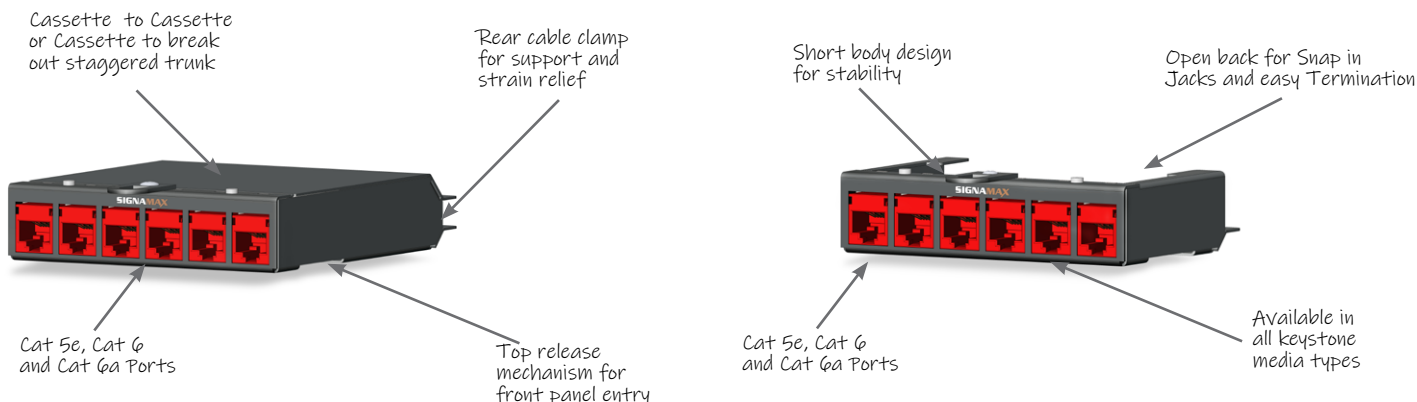
### ORDERING CONFIGURATION - MAXnet COPPER CASSETTE:

TERMINATION 1 [AA]	JACK COLOR [B]	TERMINATION 2 [CC]	JACK COLOR [D]	JACKET [E]	LABELING [G]	STAGGERED [H]
<b>C5:</b> Cat 5e Cassette	<b>B:</b> Blue	<b>C5:</b> Cat 5e Cassette	<b>B:</b> Blue	<b>P:</b> CMP	<b>S:</b> Standard Ports	<b>N:</b> None
<b>C6:</b> Cat 6 Cassette	<b>O:</b> Orange	<b>C6:</b> Cat 6 Cassette	<b>O:</b> Orange	<b>R:</b> CMR	<b>C:</b> Custom Label	<b>L:</b> Left
<b>CA:</b> Cat 6a Cassette	<b>G:</b> Green	<b>CA:</b> Cat 6a Cassette	<b>G:</b> Green	<b>L:</b> Low Smoke	<b>N:</b> No Labeling	<b>R:</b> Right
<b>K5:</b> Cat 5e Adapter Plate	<b>R:</b> Red	<b>K5:</b> Cat 5e Adapter Plate	<b>R:</b> Red			
<b>K6:</b> Cat 6 Adapter Plate	<b>K:</b> Black	<b>K6:</b> Cat 6 Adapter Plate	<b>K:</b> Black	<b>JACKET COLOR [F]</b>		<b>LENGTH (FT) [III]</b>
<b>KA:</b> Cat 6a Adapter Plate	<b>Y:</b> Yellow	<b>KA:</b> Cat 6a Adapter Plate	<b>Y:</b> Yellow	<b>B:</b> Blue		<b>XXX</b>
	<b>W:</b> White	<b>J5:</b> Cat 5e Keystone Jacks	<b>W:</b> White	<b>W:</b> White		
		<b>J6:</b> Cat 6 Keystone Jacks		<b>G:</b> Green		
		<b>JA:</b> Cat 6a Keystone Jacks		<b>N:</b> Brown		
		<b>P5:</b> Cat 5e RJ45 Plugs		<b>R:</b> Red		
		<b>P6:</b> Cat 6 RJ45 Plugs		<b>K:</b> Black		
		<b>PA:</b> Cat 6a RJ45 Plugs				
		<b>BC:</b> Bare Copper				

## DCHC-[AA][BB]-[C]

### ORDERING CONFIGURATION - MAXnet COPPER ADAPTER PLATE:

MEDIA TYPE [AA]	PORT COUNT [BB]	JACK COLOR [C]
<b>C5:</b> Cat 5e	<b>06:</b> 6 Ports	<b>N:</b> None
<b>C6:</b> Cat 6		<b>B:</b> Blue
<b>CA:</b> Cat 6a		<b>O:</b> Orange
<b>R6:</b> RG6		<b>G:</b> Green
<b>EC:</b> Empty		<b>R:</b> Red
		<b>K:</b> Black
		<b>Y:</b> Yellow
		<b>W:</b> White



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### ■ SPECIFICATIONS

#### TRANSMISSION PERFORMANCE

**ANSI/TIA-568-C.2: 100% tested**

**Cat 5e:** Tested to 1-100 MHz permanent link specifications

**Cat 6:** Tested to 1-250 MHz permanent link specifications

**Cat 6a:** Tested to 1-550 MHz permanent link specifications

#### TRANSMISSION MEDIA

Unscreened 100-Ohm twisted pair (U/UTP)

#### JACK TYPE

8p8c (8-position, 8 contact) "RJ45" style, keystone design

#### WIRING SCHEME

ANSI/TIA-568-c.2: T568B

#### WIRE GAUGE

**Cat 5e:** 24 AWG, Solid Copper

**Cat 6:** 23 AWG, Solid Copper

**Cat 6a:** 23 AWG, Solid Copper

#### CONSTRUCTION

##### MAXnet Cassettes:

**Material:** 0.036 in (0.9mm) Steel

**Finish:** black epoxy powder coating

##### Short Body Adapter Plates:

**Material:** 0.06 in (1.5mm) Aluminum Alloy

**Finish:** black epoxy powder coating

##### Jack:

**Housing:** High impact thermoplastic, UL94V-0 fire retardant

**Jack Spring Wire:** Phosphor bronze alloy plated with 50 µin of gold over 70 to 100 µin of nickel

**IDC:** 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

##### Plug:

**Assembly:** FCC Part 68 Subpart F

**Housing:** UL Listed 94V-0 flame retardant polycarbonate

**IDC Blades:** Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area

##### Cable:

**Material:** 23 or 24 AWG Solid bare copper

**Insulation:** High density polyethylene

##### Jacket:

**Dimensions:** Diameter < 0.25 in (6.35 mm)

**Material:** Flame retardant PVC compound

#### CAPACITY

**Max Copper Density:** 6 Ports

#### MECHANICAL

##### Jack:

**Total Contact Force:** Min 800 g for 8 wire leads

**Retention:** 50 N (11 lbf) for 60 ± 5 s

**Mating Cycle Life:** Min 750 cycles

##### Plug:

**Retention:** 50 N (11 lbf) for 60 ± 5 s

**Mating Cycle Life:** Min 750 cycles

**Tensile Strength:** ≥ 20 N per wire

##### Cable:

**Tensile Strength:** ≥ 20 N per wire

**Retention:** 50 N (11 lbf) for 60 ± 5 s

**Minimum bend radius:** 1 in (25 mm)

#### DIMENSIONS

**MAXnet Cassettes:** 1" H x 6.3" D x 4" W (28 x 160 x 105 mm)

**Short Body Adapter Plates:** 1" H x 3" D x 4" W (28 x 80 x 105 mm)

#### WEIGHT

**MAXnet Cassettes:** 0.57 lb (0.26 kg)

**Short Body Adapter Plates:** 0.19 lb (0.086 kg)

#### ENVIRONMENTAL CONDITIONS

**Operating Temperature:** -40 to 176 °F (-40 to 80 °C)

**Operating RH:** 93% Max (non-condensing)

#### COMPLIANCE

ANSI/TIA-568-C.2, IEC 60603-7, IEC 61156-6, IEC 60332-1-2, FCC Part 68 Subpart F, UL 94V-0, UL 444, UL 1666

#### WARRANTY

5 - Year Limited Component