## **Product Naming Rule**

7: OS5 6: 10G uplinks 5: L2+ managed 3: L2+ managed 2: L2 managed 0: Unmanaged

H: OS5 R: 0S4

L: 0S3

C: Combo F: Fiber

DF: Dual speed fiber

GF: Giga fiber T: Giga T

GSFP: 1000M SFP

DSFP: Dual speed SFP

DFT: Dual speed fiber + Giga T

S: Compact size

XSFP/XF(IP30): 1G/2.5G/10G SFP MGSFP(IP30): 1G/2.5G SFP

XT: 1G/2.5G/5G/10G Copper XF: 1G/2.5G/5G/10G Fiber

XFT: XT+ XF

MGT: 1G/2.5G Copper MGF: 1G/2.5G Fiber MGFT: MGT + MGF

2L: 2 LTE modules 1L: 1 LTE module

2AC: 2802.11AC modules 1AC: 1802.11AC module WW: Worldwide LTE band

EUNA: Europe / North America LTE band

APAC: Asia Pacific LTE band

67: IP67 housing 65: IP65 housing

54: IP54 housing 44: IP44 housing 40: IP40 housing

21: IP21 housing

Input power:

24V=9~36VDC

12V=9.5~56VDC\*

24TV=16.8~56VDC

72V=50.4~90VDC

110V=43~137.5VDC

WV=16.8~137.5VDC

WVI=WV with isolation

24VI=9~36VDC with isolation

24TVI=16.8~56VDC with isolation

BB: 2-pairs bypass B: 1-pair bypass BT: 1-pair copper bypass BBT: 2-pairs copper bypass BF: 1-pair fiber bypass

Extended (Wide)

operating

Coating

temperature

BBF: 2-pairs fiber bypass

Coating

Version <

## TPES-R6416TA-8-PT-MM-XL-XAC-2S-67-12V-BB-E-C

Model version R: Rack-mount

# of major ports

# of uplink ports

S: Switch C: Converter / Controller

R: Router

AP: Access Point MR: Mobile Router

E: Major ports are 10/100TX Ethernet G: Major ports are Giga Ethernet

W: Wireless

P: PoE

I: Hardened (Industrial grade)

L: Non-industrial

T: EN50155 / Transportation

# of serial ports

S: RS232 SA: RS422

SB: RS485

SM/SX: Single mode fiber MM/LX: Multi mode fiber O-ODC: O-ODC connector QSM: Single mode Q-ODC fiber

QMM: Multi mode Q-ODC fiber

X: X-code M12 PP: Pushpull

TX: major ports are RJ45 SFP: major ports are SFP

PT: IEC 61850-3 compliance AMA: AREMA compliance

IGN: Ignition function OOB: out-of-band

PEXT: External PoE Power In

# of PoE ports

PBT: PoE BT

D: D-code M12

DFT: major ports are RJ45&SFP

2P=Dual embedded power AC IEC320 power cord:

EU: EU plug; US: US plug; UK: UK plug

(2)HV=(2X)100~240VAC/120V~370VDC

(2)DCI=(2X)DC input with isolation

(2)AC=(2X)100~240VAC IEC320

## 8330-XXXDE-V1-C

8330 8340 000~999

Mini-GBIC (SFP)

Extended (Wide) operating temperature

DDM function

