

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Industrial VPN gateway for mGuard Secure Cloud, IPsec communication via WLAN client 802.11a/b/g/n, 150 Mbps, 2.4 GHz + 5 GHz, 2-port switch, antenna connections: 2 RSMA WLAN, 4 DI, 2 DO

## Your advantages

- Virtual dedicated line to connect networks via cellular network
- Configuration via web-based management or microSD card
- Two local Ethernet connections
- Switchable energy-saving mode
- Integrated logbook
- Extended temperature range of -40 °C ... +70 °C
- Four digital inputs
- Two digital outputs

## Commercial data

Item number	1234360
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN25
Product key	DNC422
GTIN	4063151338237
Weight per piece (including packing)	320.3 g
Weight per piece (excluding packing)	320.3 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
---------------------	-------------------------

### Product properties

Product type	Remote maintenance gateway
Application	Ethernet
MTTF	384 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
	180 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)
	64 Years (SN 29500 standard, temperature 40°C, operating cycle 100%)

#### Data management status

Article revision	02
------------------	----

### Electrical properties

Electrical isolation	VCC // Ethernet
Maximum power dissipation for nominal condition	4.32 W

#### Supply

Supply voltage range	10 V DC ... 30 V DC (Via pluggable Push-in terminal block)
Typical current consumption	< 180 mA (24 V DC)
	< 500 mA (10 V DC)
	≤ 3 mA (With activated energy-saving mode)
Max. current consumption	1.5 A

#### Function

Management	Web-based management
	SNMPv1/v2/v3
Data storage system	Micro SDHC card

### Input data

#### Digital

Description of the input	Digital input
Number of inputs	4
Voltage input signal	10 V DC ... 30 V DC
Switching level "0" signal	< 8 V DC
Switching level "1" signal	10 V DC ... 30 V DC

### Output data

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## Signal

Output name	Digital output
Number of outputs	2
Voltage output signal	10 V DC ... 30 V DC (depending on the operating voltage)
Current output signal	≤ 50 mA (Not short-circuit proof)

## Connection data

### Supply

Connection method	Push-in spring connection
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Single conductor/terminal point, rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Single-wire/terminal point, flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 16
Stripping length	9.00 mm

## Interfaces

Web server	yes
------------	-----

Data: Ethernet interface, 10/100Base-T(X) in accordance with IEEE 802.3

Serial transmission speed	10/100 Mbps, auto negotiation
Connection method	RJ45 jack, shielded
No. of channels	2
Transmission length	100 m (shielded twisted pair)
Protocols supported	TCP/IP, UDP/IP, HTTP(S), (S)FTP, TFTP, SCEP, RADIUS, IPsec
	Network Discovery: LLDP, CDP, FDP, SONMP, EDP, IRDP
Auxiliary protocols	ARP, DHCP, DNS, DynDNS, PING (ICMP), SMTP(S), NTP, SSL/TLS, STARTTLS, SMS

### Wireless

Interface description	WLAN in accordance with IEEE 802.11 a/b/g/n
Operating mode	Access point
	Client
	Dual mode
	Mesh
Frequency	5 GHz
	2.4 GHz
Data rate	11 Mbps (2.4 GHz)
	54 Mbps (2.4 GHz)
	144 Mbps (2.4 GHz)
	54 Mbps (5 GHz)
	150 Mbps (5 GHz)
Antenna connection method	RSMA (female)

# CLOUD CLIENT 2002T-WLAN - Router

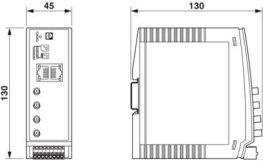


1234360

<https://www.phoenixcontact.com/us/products/1234360>

Security	WPA, WPA2 (TKIP, CCMP, PSK, RADIUS)
----------	-------------------------------------

### Dimensions

Dimensional drawing	
Width	45 mm
Height	130 mm
Depth	130 mm

### Material specifications

Color (Upper housing part)	light gray (RAL 7035)
Material (Housing)	Polycarbonate

### Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)

### Approvals

CE	
Certificate	CE-compliant
Wireless approval USA, FCC	
Certificate	Z64-WL18DBMOD
Note	FCC directive, part 15

### EMC data

Noise immunity	EN 61000-6-2
Electromagnetic compatibility	Conformance with RED Directive 2014/53/EU
Electrostatic discharge	
Standards/regulations	EN 61000-4-2
Electrostatic discharge	
Contact discharge	± 6 kV (Test Level 3)
Discharge in air	± 8 kV (Test Level 3)
Comments	Criterion B

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## Electromagnetic HF field

Standards/regulations	EN 61000-4-3
-----------------------	--------------

## Electromagnetic HF field

Frequency range	80 MHz ... 3 GHz (Test Level 3)
Field intensity	10 V/m
Comments	Criterion A

## Fast transients (burst)

Standards/regulations	EN 61000-4-4
-----------------------	--------------

## Fast transients (burst)

Input	$\pm 2$ kV (Test Level 3)
Signal	$\pm 2$ kV (Ethernet)
Comments	Criterion B

## Surge current load (surge)

Standards/regulations	EN 61000-4-5
-----------------------	--------------

## Surge current load (surge)

Input	$\pm 0.5$ kV (symmetrical)
	$\pm 1$ kV (asymmetrical)
Signal	$\pm 1$ kV (Data line, asymmetrical)
Comments	Criterion B

## Conducted interference

Standards/regulations	EN 61000-4-6
-----------------------	--------------

## Conducted interference

Frequency range	0.15 MHz ... 80 MHz
Comments	Criterion A
Voltage	10 V

## Emitted interference

Radio interference voltage in acc. with EN 55011	Class B, area of application: Industry and residential
Emitted radio interference in acc. with EN 55011	Class B, area of application: Industry and residential

## Criteria

Criterion A	Normal operating behavior within the specified limits.
Criterion B	Temporary impairment to operational behavior that is corrected by the device itself.

## Mounting

Mounting type	DIN rail mounting
---------------	-------------------

## Drawings

Schematic diagram

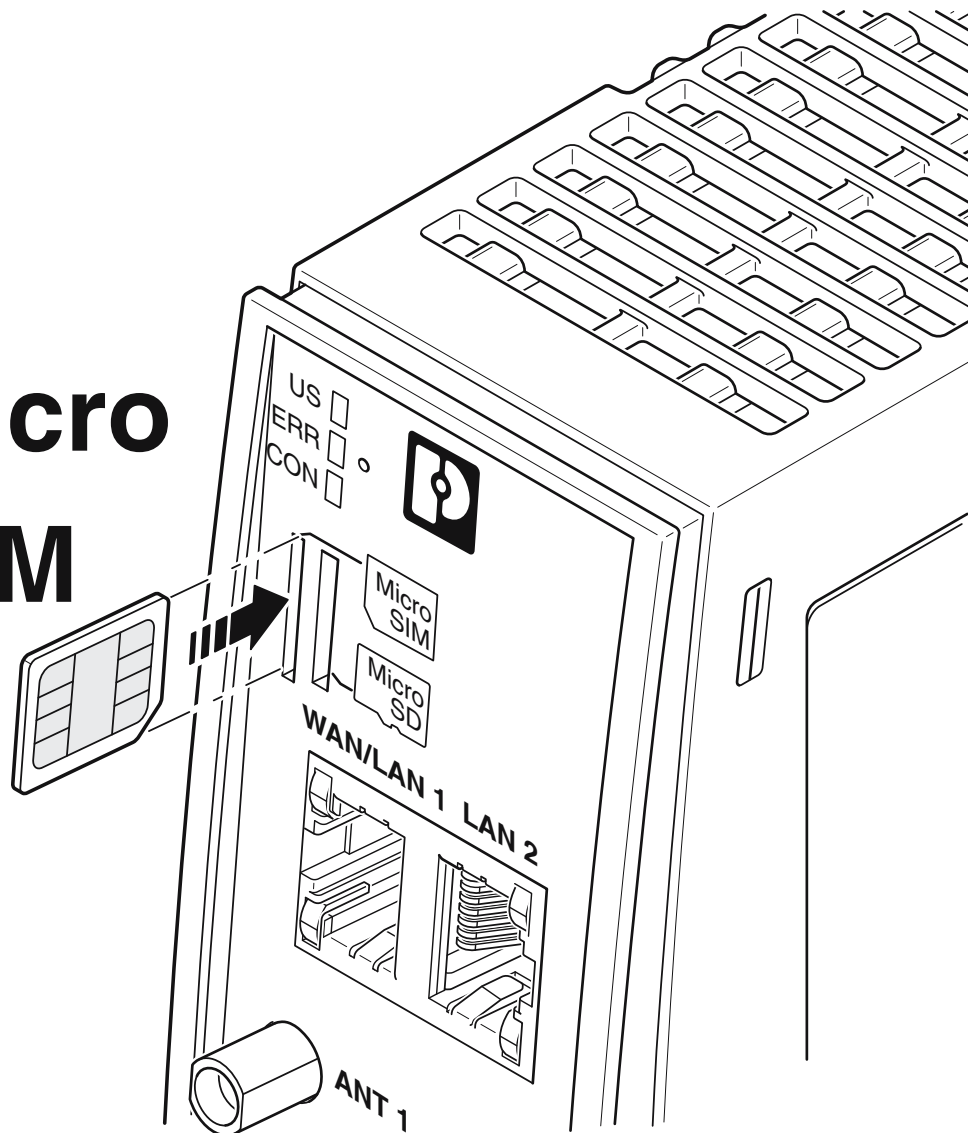
# Micro SD



Insert SD card

Schematic diagram

# Micro SIM



Insert SIM card

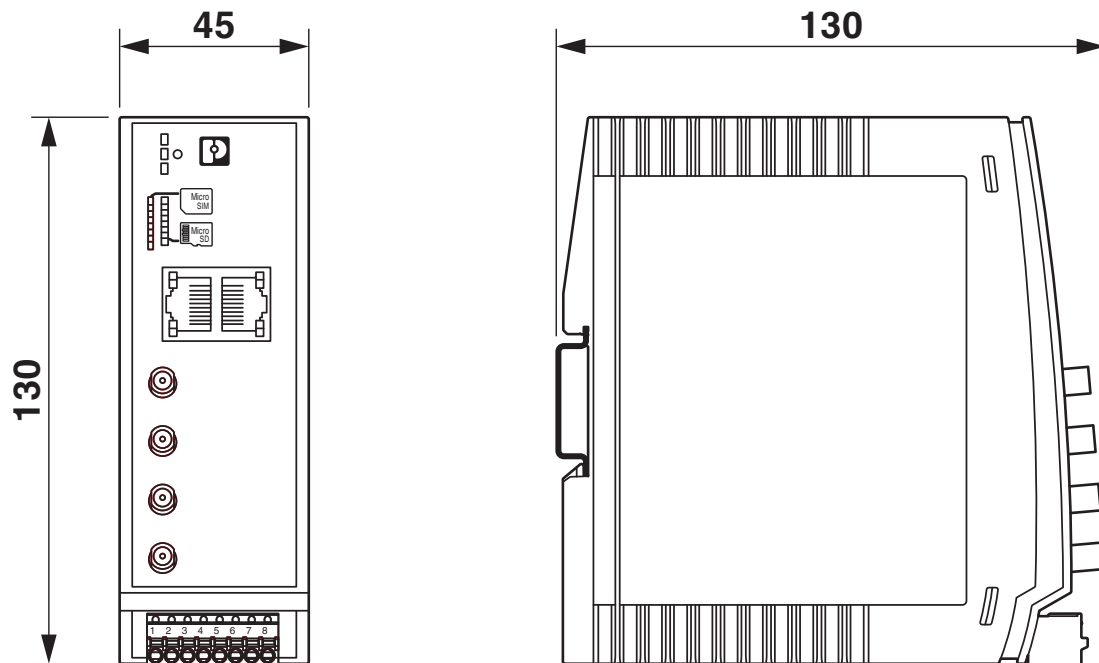
# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

Dimensional drawing



Dimensions (product version with four antenna connections)



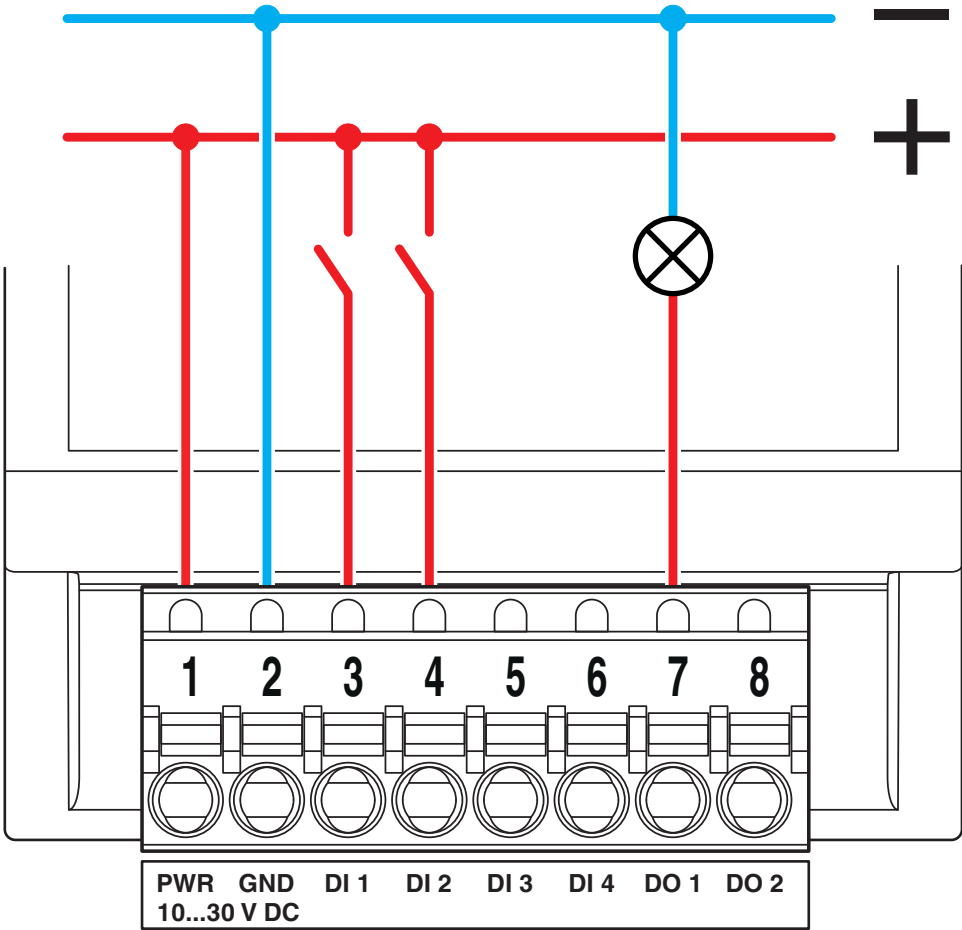
# CLOUD CLIENT 2002T-WLAN - Router

1234360

<https://www.phoenixcontact.com/us/products/1234360>



Connection diagram



Switching inputs and outputs

1234360

<https://www.phoenixcontact.com/us/products/1234360>

Classifications

ECLASS

ECLASS-11.0	19170502
ECLASS-12.0	19170502
ECLASS-13.0	19170502

ETIM

ETIM 9.0	EC001478
----------	----------

UNSPSC

UNSPSC 21.0	43222600
-------------	----------

1234360

<https://www.phoenixcontact.com/us/products/1234360>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## Accessories

### TRIO-PS-2G/1AC/24DC/3/C2LPS - Power supply unit

2903147

<https://www.phoenixcontact.com/us/products/2903147>



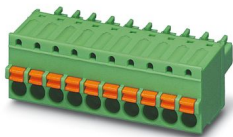
Primary-switched TRIO POWER power supply with push-in connection for DIN rail mounting, input: 1-phase, output: 24 V DC/3 A C2LPS

---

### FK-MCP 1,5/ 8-ST-3,81 GY7035 - PCB connector

1713311

<https://www.phoenixcontact.com/us/products/1713311>



PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 8, number of rows: 1, number of positions: 8, number of connections: 8, product range: FK-MCP 1,5/...-ST, pitch: 3.81 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

# CLOUD CLIENT 2002T-WLAN - Router

1234360

<https://www.phoenixcontact.com/us/products/1234360>



## TC ANT MOBILE WALL 5M - Antenna

2702273

<https://www.phoenixcontact.com/us/products/2702273>



Multiband omnidirectional antenna for wall or mast mounting, 0.6 GHz ... 6 GHz, gain: 3 dBi ... 7 dBi, degree of protection: IP66, connection: SMA (male), incl. 5 m connecting cable, mounting bracket, and mast clamps

---

## ANT-OMNI-0671-01 - Antenna

1396316

<https://www.phoenixcontact.com/us/products/1396316>



Multiband omnidirectional antenna for wall or mast mounting, 0.6 GHz ... 7.1 GHz, gain: 1 dBi ... 3 dBi, degree of protection: IP67, seawater-resistant, connection: N (female), incl. mounting bracket and mast clamps

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## ANT-OMNI-0671-02 - Antenna

1396318

<https://www.phoenixcontact.com/us/products/1396318>



Multiband omnidirectional antenna with protection against vandalism for control cabinet mounting, frequency band: 0.6 GHz ... 7.1 GHz, gain: 2 dBi ... 4 dBi, degree of protection: IP67, shockproof: IK10, seawater-resistant, connection: N (female)

---

## ANT-OMNI-0671-03 - Antenna

1565400

<https://www.phoenixcontact.com/us/products/1565400>



Multiband omnidirectional antenna for installation in plastic control cabinets not visible from the outside, frequency band: 0.6 GHz ... 7.1 GHz, gain: 1 dBi .... 2 dBi, connection: SMA (male), antenna connector with 90° articulated joint

# CLOUD CLIENT 2002T-WLAN - Router

1234360

<https://www.phoenixcontact.com/us/products/1234360>



## ANT-OMNI-2459-02 - Antenna

2701408

<https://www.phoenixcontact.com/us/products/2701408>



Omnidirectional antenna for control cabinet mounting, frequency band: 2.4 GHz / 5 GHz, gain: 2.5 dBi / 5 dBi, degree of protection: IP68, connection: N (male)

---

## RAD-ISM-2459-ANT-FOOD-6-0-N - Antenna

2702898

<https://www.phoenixcontact.com/us/products/2702898>



Multiband omnidirectional antenna with protection against vandalism for control cabinet mounting, frequency band: 2.4 GHz / 5 GHz / 6 GHz, gain: 6 dBi / 8 dBi / 8 dBi, degree of protection: IP68, shockproof: IK08, resistant to cleaning agents, shock- and vibration-resistant, connection: N (female)

# CLOUD CLIENT 2002T-WLAN - Router

1234360

<https://www.phoenixcontact.com/us/products/1234360>



## RAD-PIG-EF316-N-RSMA - Antenna cable

2701402

<https://www.phoenixcontact.com/us/products/2701402>

Antenna cable for control cabinet feed-through, outside diameter: 3.2 mm (0.126 in.), inner conductor: stranded, attenuation: 0.6 / 0.9 / 1.4 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (female) -> RSMA (male), cable length: 0.5 m (1.6 ft.)



---

## RAD-PIG-RSMA/N-0.5 - Antenna cable

2903263

<https://www.phoenixcontact.com/us/products/2903263>

Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 0.4 / 0.5 / 0.6 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 0.5 m (1.6 ft.)





# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## RAD-PIG-RSMA/N-1 - Antenna cable

2903264

<https://www.phoenixcontact.com/us/products/2903264>



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 0.5 / 0.8 / 1.1 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 1 m (3.3 ft.)

---

## RAD-PIG-RSMA/N-2 - Antenna cable

2903265

<https://www.phoenixcontact.com/us/products/2903265>



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 0.9 / 1.3 / 2.0 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 2 m (6.5 ft.)

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## RAD-PIG-RSMA/N-3 - Antenna cable

2903266

<https://www.phoenixcontact.com/us/products/2903266>



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 1.2 / 2.0 / 3.0 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 3 m (10 ft.)

---

## RAD-PIG-RSMA/N-5 - Antenna cable

2702140

<https://www.phoenixcontact.com/us/products/2702140>



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 2.0 / 3.3 / 4.8 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 5 m (16 ft.)

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## NBC-COX-CNM/3.0-L/COX-CNM - Coaxial cable

1340123

<https://www.phoenixcontact.com/us/products/1340123>



Coaxial cable, 50  $\Omega$ , length: 3 m, N(m) - N(m), external cable diameter: 10.3 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 0.5 dB, 2.4 GHz 0.8 dB, 5.8 GHz 1.3 dB, 7.25 GHz 1.5 dB

---

## NBC-COX-CNM/5.0-L/COX-CNM - Coaxial cable

1340124

<https://www.phoenixcontact.com/us/products/1340124>



Coaxial cable, 50  $\Omega$ , length: 5 m, N(m) - N(m), external cable diameter: 10.3 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 0.8 dB, 2.4 GHz 1.4 dB, 5.8 GHz 2.2 dB, 7.25 GHz 2.5 dB

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## NBC-COX-CNM/10.0-L/COX-CNM - Coaxial cable

1340125

<https://www.phoenixcontact.com/us/products/1340125>



Coaxial cable, 50  $\Omega$ , length: 10 m, N(m) - N(m), external cable diameter: 10.3 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 1.6 dB, 2.4 GHz 2.7 dB, 5.8 GHz 4.3 dB, 7.25 GHz 5 dB

---

## NBC-COX-CNM/15.0-L/COX-CNM - Coaxial cable

1340126

<https://www.phoenixcontact.com/us/products/1340126>



Coaxial cable, 50  $\Omega$ , length: 15 m, N(m) - N(m), external cable diameter: 10.3 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 2.4 dB, 2.4 GHz 4.1 dB, 5.8 GHz 6.5 dB, 7.25 GHz 7.5 dB

# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## NBC-COX-CNM/30.0-L/COX-CNM - Coaxial cable

1340127

<https://www.phoenixcontact.com/us/products/1340127>



Coaxial cable, 50  $\Omega$ , length: 30 m, N(m) - N(m), external cable diameter: 10.3 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 4.8 dB, 2.4 GHz 8.1 dB, 5.8 GHz 12.9 dB, 7.25 GHz 15 dB

---

## CN-UB-70DC-6-BB - Surge protection device

2803166

<https://www.phoenixcontact.com/us/products/2803166>



Attachment plug with surge protection for coaxial signal interfaces. Connection: N connector, female/female

# CLOUD CLIENT 2002T-WLAN - Router

1234360

<https://www.phoenixcontact.com/us/products/1234360>



## RAD-ADP-N/F-N/F - Adapter

2867843

<https://www.phoenixcontact.com/us/products/2867843>

Antenna adapter for control cabinet feed-through, frequency range: 0.3 GHz ...  
6 GHz, degree of protection: IP65, connection: 2 x N (female)



---

## RAD-TAPE-SV-19-3 - Weather protection tape

2903182

<https://www.phoenixcontact.com/us/products/2903182>

Vulcanizing sealing tape for external protection of adapters, cable connections,  
etc. against the effects of weather, roll length: 3 m



# CLOUD CLIENT 2002T-WLAN - Router



1234360

<https://www.phoenixcontact.com/us/products/1234360>

## FL PANEL ADAPTER 45 - Mounting panel

1456055

<https://www.phoenixcontact.com/us/products/1456055>



The FL PANEL ADAPTER 45 is designed to allow products 45 mm wide to be mounted flush to a panel, in any orientation.

---

## FL DIN-RAIL ADAPTER 45 - Mounting panel

1456045

<https://www.phoenixcontact.com/us/products/1456045>



The FL DIN-RAIL ADAPTER 45 is designed to allow products 45 mm wide to be mounted flush to a standard 35 mm DIN rail, in any orientation.

---

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)