



## EXPLOSION PROOF SERIAL TO WIFI CONVERTER

The Solexy SWA/SWS C14 is a compact industrial serial to WiFi converter rated for installation in hazardous locations and harsh environments.

It provides an RS232/RS485/RS422 to Ethernet/WiFi interface for web connectivity by enabling any device. The SW\*C14 integrates a TCP/IP controller, memory, 10/100 Mbps Ethernet transceiver, high-speed serial port, and integrates a fully developed TCP/IP stack and ECos operating system. It also includes a built-in Web server used to configure, monitor, or troubleshoot the connected device.

With Solexy's SWA and SWS enclosures and their IP66/68 rugged construction combined with Atex, IECEx certificates, Solexy offers a wireless device solution for installation in classified Ex areas (gas, dust and mining) and harsh environments, as zone 1/21.



### FEATURES



#### SERIAL PORT

Support RS232/RS422/RS485 , serial speed up to 230400 bps



#### WIFI

802.11 b/g/n, 2.4GHz.  
Up to 20dBm



#### ETHERNET CONNECTION

1-port ethernet 10/100 base-T RJ45  
Auto-negotiation



#### HEAVY DUTY CONSTRUCTION

Explosion proof enclosure made in aluminum (SWA series) or stainless steel (SWS series) weather proof IP66/68

# APPROVALS



## ATEX / IECEx CERTIFICATION

Zone 1, 2, 21 & 22

I M2(M1) Ex db mb [ia Ma] I Mb (SWS only)

II 2(1) G Ex db mb [ia Ga] IIC T5 Gb

II 2(1) D Ex mb tb [ia Da] IIIC T100°C Db

# AVAILABLE ACCESSORIES

## MOUNTING BRACKET

KM-01: mounting kit for 2" pipe

KM-02: universal mounting kit  
(see dedicated data sheet)

# CONFIGURATION



**SWA** **C14** **03** - **42** **1** **X0**  
**a** **b** **c** **d** **e**

## a - Enclosure

SWA Aluminum polyester powder coated

SWS Stainless steel AISI 316 (CF8M) electropolished

## b - Device

C14 Serial to Ethernet/WiFi gateway

## c - Antenna connection <sup>(1)</sup>

03 n° 1 UXN antenna coupler (N Female) <sup>(2)</sup>

## d - Cable entries

42 n° 4 3/4" npt-f

44 n° 4 M25x1.5

## e - Approvals

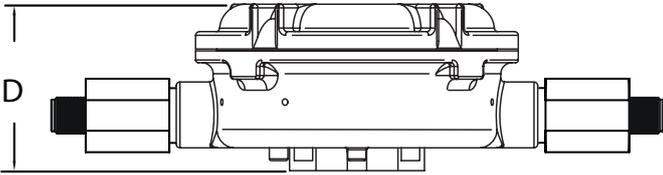
X0 Atex/IECEx Gas and Dust certified <sup>(3)</sup>

M0 Atex/IECEx Gas, Dust and mining certified <sup>(3)</sup>

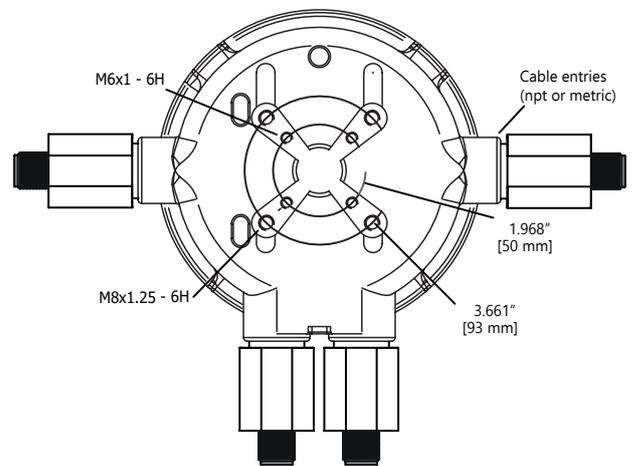
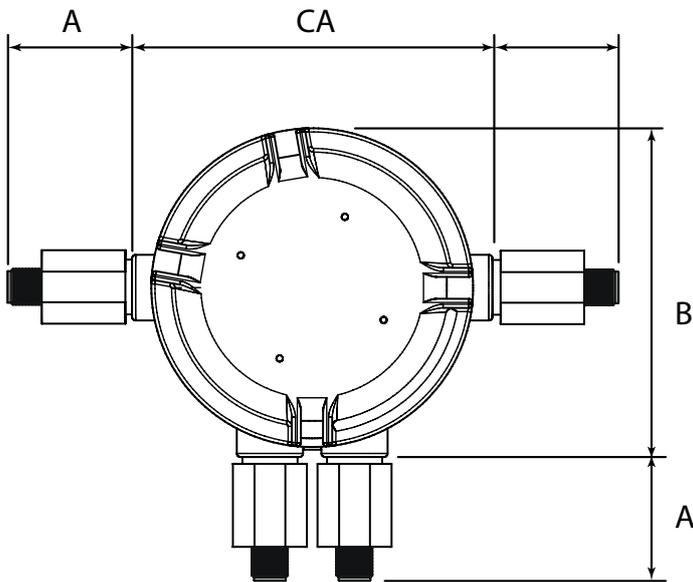
Notes: (1) Antenna not included  
(2) Layout 2  
(3) Zone 1, 2, 21 & 22







In order to determine overall dimension of a specific unit pls follow instructions:  
 1) Select the specific layout (you can find it in the product nomenclature)  
 2) Consider only the antenna coupler dimension (A) that you find in the layout



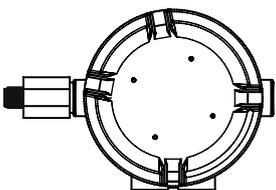
Data contained in this specification are subject to change without notice

MODEL	A (*)	B	C	D
SWA HWA	58,5 mm [2.30"] metric coupler 70 mm [2.76"] npt coupler	179,8 mm [7.08"]	180 mm [7.09"]	89,5 mm [3.52"]
SWS HWS	58,5 mm [2.30"] metric coupler 70 mm [2.76"] npt coupler	180,5 mm [7.11"]	196 mm [7.72"]	90 mm [3.54"]

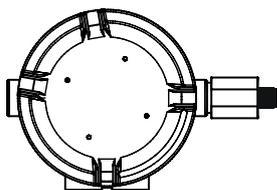
(\*) max dimension related to RX or SX coupler with N female antenna connector

## TYPICAL LAYOUTS \*\*

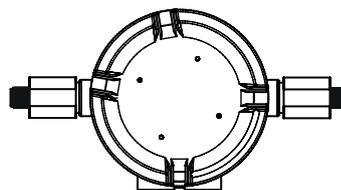
Layout 1



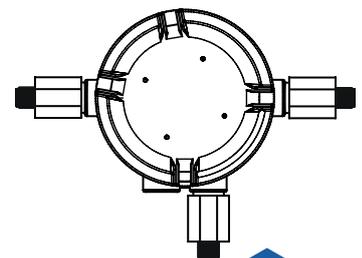
Layout 2



Layout 3



Layout 4



(\*\*) layout type specified in device datasheet





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