

# MAXON

*Link Of Your Think*

IP68  
Strong  
Resilience

Intrinsically  
Safe

Long  
Lifetime  
Structure

Multiple  
Application  
Scenarios



## Maxon Explosion-proof Series

Underground pipeline | Fine chemical factory  
Oil & gas industry | Coal-mining region

Nanjing Maxon O.E. Tech. Co., LTD

# Maxon Explosion-proof Selection

Type	Model	Expls-Rate	Details
WiFi5 AP	MX811-1F	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	802.11a/b/g/n/ac, 1x 1G WAN port, 1x 1G LAN port or SFP optical port, PoE power supply, 2 external antenna connectors, Max. throughput 1167Mbps, wide operation range -40~80°C, Support MAXON positioning software
	MX911-1F	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
WiFi6 AP	MX821-1F	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	802.11a/b/g/n/ac/ax, 1x 2.5G WAN port, 1x 2.5G LAN port or 2.5G SFP optical port, PoE power supply, 2 external antenna connectors, Max. throughput 1766Mbps, wide operation range -40~80°C, Support MAXON positioning software
	MX921-1F	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
	MX821-1F V2	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	802.11a/b/g/n/ac/ax, 1x 2.5G WAN port, 1x 2.5G LAN port or 2.5G SFP optical port, PoE power supply, 6 external antenna connectors, Max. throughput 65730Mbps, wide operation range -40~80°C, Support MAXON positioning software
	MX921-1F V2	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
WiFi5 Bridge	MX811-2P	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	802.11ac, PoE power supply, support Access point, client, WDS access point, WDS client, support dual hardware backup, support remote control and management
	MX911-2P	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
WiFi6 Bridge	MX821-2P	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	802.11ax, 4*4, 4800Mbps, 1x 2.5G WAN port, PoE power supply, 5km transmission
	MX921-2P	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
4G Router	MX834-1D	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	1x 10/100/1000M adaptive WAN port, 1x 10/100/1000M adaptive LAN port, online remote control platform, support remote upgrade & configuration, support 2.4G 5.8G wireless client & wireless AP function, support TCP, UDP transparent transmission mode, TCP Server mode
	MX934-1D	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
5G Router	MX844-1D	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	1x 10/100/1000M WAN port, 3x 10/100/1000M LAN port, support PoE power supply, support stable 5G/4G/3G Cellular, dual-band WIFI, WiFi supports AP & client mode
	MX944-1D	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
4G DTU	MX832-1D	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	1x RS232, 1x RS485, preserved 3x I/O with 2x ADC, Support transparent transmission mode, embedded with standard TCP/IP protocol stack, support multi-center and TCP server functions, ultra-low power consumption design, including sleep mode, set-time online offline mode
	MX932-1D	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
5G DTU	MX842-1D	Ex d IIB T6 Gb/ExtD A21 IP68 T80°C	1x 10/100/1000 electrical port, 1x RS-232/485, support 5G SA/NSA networking, Backward compatible with 4G/3G network standard
	MX942-1D	Ex d IIC T6 Gb/ExtD A21 IP68 T80°C	
AC Controller	MX-AC94A0-06	non-explosion-proof	1x Console, 6x 1G port, 2x USD2.0, Max. 1024pcs AP control, Max. username 8000
Positioning Software	MX-SLSYSV1.1	Software	Real-time location monitoring, historical track playback, map & tag management, precise personnel location visualization by wireless AP, tags and algorithms

# Explosion-proof Access Point (wifi5/wifi6)



Ex d IIB T6 Gb/ExtD A21 IP68 T80°C

## FEATURES:

1. Application: chemical factories, oil fields, coal mines, underground pipelines, etc.
2. Support 802.11ac standard and 2x2 MIMO
3. Highest throughput: 867Mbps (5.8G) & 300Mbps (2.4G)
4. Operation modes: access point, client, WDS access point, WDS client
5. Support PPPoE and routing mode
6. Ensure the stability of video and traffic transmission
7. Support access to Maxon positioning system
8. Support dual hardware redundant backup, making operations reliable



Ex d IIC T6 Gb/ExtD A21 IP68 T80°C

## DESCRIPTION:

A new generation of 802.11ac 2x2 dual-band wireless access point, which can provide stable outdoor wireless signal coverage.

The AP with industry-leading achievements to ensure stable, reliable coverage and high-throughput performance in various scenarios.

Its structure design conforms to IP68 standard, and has the characteristics of explosion-proof, mildew-proof, anti-corrosion, and lightning-resistant.

# Explosion-proof Wireless Bridge



Ex d IIB T6 Gb/ExtD A21 IP68 T80°C

## FEATURES:

1. Application: chemical factories, oil fields, coal mines, underground pipelines, etc.
2. Support 802.11ac standard and 2x2 MIMO
3. Highest throughput: 867Mbps
4. Operation modes: access point, client, WDS access point, WDS client
5. Customized working modes convenient for non-prof user
6. Support remote control and management



Ex d IIC T6 Gb/ExtD A21 IP68 T80°C

## DESCRIPTION:

Built-in industry-leading wireless technologies, including MIMO, TDMA, etc.

It supports long-distance transmission, high throughput rate and strong anti-interference ability.

Its structure design conforms to IP68 standard, and has the characteristics of explosion-proof, mildew-proof, anti-corrosion, and lightning-resistant.

# Explosion-proof 4G/5G Router



Ex d IIB T6 Gb/ExtD A21 IP68 T80 °C

FEATURES:

1. Application: chemical factories, oil fields, coal mines, underground pipelines, etc.
2. Support stable 5G/4G/3G Cellular
3. 1G port, 1G dual-band WIFI, WiFi supports AP & client mode
4. Dual SIM card redundant backup, embedded 5G wireless communication module
5. Support Cellular WAN, Ethernet WAN, WiFi link backup and ICMP detection
6. Support cold backup, hot backup and load balancing backup modes



Ex d IIC T6 Gb/ExtD A21 IP68 T80 °C

DESCRIPTION:

New high-speed dual-mode router, supports standalone networking (SA) and non-standalone networking (NSA).

Provide high-bandwidth, low-latency, and highly reliable seamless wireless network connections for IoT devices and sensors.

Its structure design conforms to IP68 standard, and has the characteristics of explosion-proof, mildew-proof, anti-corrosion, and lightning-resistant.

# Explosion-proof 4G/5G DTU



Ex d IIB T6 Gb/ExtD A21 IP68 T80 °C

FEATURES:

1. 1x RS232, 1x RS485, reserved 3x I/O and 2x ADC
2. Support transparent transmission, embedded standard TCP/IP protocol stack
3. Support multi-center (up to 5) and TCP server functions
4. Support DDNS, access according to the domain name and IP can be settled
5. Support TCP link detection, keep device always online
6. Support APN/VPDN
7. Support SMS backup when TCP/UDP disconnected



Ex d IIC T6 Gb/ExtD A21 IP68 T80 °C

DESCRIPTION:

Wireless data transmission terminals fully meet the needs of industrial-grade standards and user needs.

High-performance industrial-grade 32-bit communication processor, software multi-level detection and hardware multi protection mechanisms to improve stability.

Support 4G/3G/2G network, standard RS232 & RS485, flexible interface, customized TTL.

Its structure design conforms to IP68 standard, and has the characteristics of explosion-proof, mildew-proof, anti-corrosion, and lightning-resistant.