

# Industrial Hazardous Switches

Guarantee safety in hazardous environments.

Gas, oil, and mine related environments are full with flammable gases, vapors, liquids and combustible dusts. We classified these areas as hazardous environments because disasters may be caused with only one small spark. To guarantee the safety of property and people, Lantech release a series of switches to fulfill this kind of applications. The series can be deployed in hazardous or explosive condition without increasing the risk of explosion or accelerating the damage if an accident occurs.



## UL Class 1 Division 2 Certified





Established by well-known Underwriters Laboratories (UL), "UL Class I Division II" is one of the most widely used safety certifications. All models are strictly tested by UL Class I Division II standard for group A, B, C, D, which covers most of the hazardous atmospheres.



## ATEX Certified

The ATEX Directive 94/9/EC is a directive adopted by the European Union (EU) to facilitate free trade in the EU by aligning the technical and legal requirements in the Member States for products intended for use in potentially explosive atmospheres.



				
	IES-2307C	IES-2216C	IES-2208CA (-ATEX)	IES-2208F
<b>HARDWARE FEATURES</b>				
Interface	10/100TX (RJ45)	7	16	8
	10/100/1000T (RJ45)	-	-	-
	100M Fiber	-	-	2 (SC/ST)
	100M SFP	-	-	-
	10/100/1000T/Dual Speed SFP Combo	3	2	-
	Console	RJ45	RJ45	RJ45
Power Input	DI/DO	2/2	-	-
	Relay Contact	●	●	●
	12~36VAC	-	●	-
Mechanism	12~48VDC	●	●	●
	Standard Operating Temperature -20°C~60°C / -4°F~140°F	●	●	●
	Wide Operating Temperature -40°C~75°C / -40°F~167°F	●	●	●
	Case Protection	IP30	IP30	IP30
Certification	Case Dimension W x D x H (unit=mm)	74 x 105 x 152	74 x 105 x 152	74 x 105 x 152
	DIN Rail Installation	●	●	●
	Wall Mount Installation	●	●	●
Software Features	CE/FCC	●	●	●
	RoHS/WEEE	●	●	●
	UL Class I Division II	●	●	●
	ATEX	-	● (-ATEX model)	-
<b>SOFTWARE FEATURES</b>				
Management Level (Refer to Page 16)	Full	Full	Full	Full



### Non-sparking Components

To meet the standard of UL Class I Division II and ATEX, Lantech design our hazardous series with apparatus that has no normally arcing parts or thermal effects capable of ignition. Also, the components are hermetically sealed.








### Non-incendive Design

Lantech hazardous series is incapable of igniting the specified flammable gas-air or vapor-air mixture. The housing of a non-incendive component is not intended to exclude the flammable atmosphere or contain an explosion.



### Rapid and Reliable Data Transmission

Lantech certified models provide up to Gigabit rapid speed and reliable Pro-Ring redundant protection, so that the administrators controlling and monitoring the plant's activities can detect any abnormal situations quickly enough and take the necessary actions to prevent an accident or a disaster.

				
IES-2008B(-ATEX)	IGC-0101GB	IEC-0101FT	IES-0008T	IES-0005T
8	-	1	8	5
-	1	-	-	-
-	-	1 (SC/ST)	-	-
-	1	-	-	-
-	-	-	-	-
RJ45	-	-	-	-
-	-	-	-	-
●	●	●	●	●
-	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
IP30	IP30	IP30	IP30	IP30
74 x 105 x 152	30 x 95 x 140	30 x 95 x 140	30 x 95 x 140	30 x 95 x 140
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
● (-ATEX model)	-	-	-	-
Full	Unmanaged	Unmanaged	Unmanaged	Unmanaged