



iConEx XY800_DR series HMI

iConEx XY800_DR series HMI is an explosion-proof touch control terminal. It adopts high-performance 32-bit 800MHz RISC CPU and streamlined LINUX kernel, supports direct communication with most PLCs, and its outstanding processing speed and rich software functions can meet the needs of most users. The integrated design is nice and generous, and it is widely used in information and automation control systems in explosive hazardous areas in petroleum, chemical, pharmaceutical, military and other industries.

Benefits of

iConEx XY800_DR series HMI

All-metal housing, whole device explosion-proof design, for Zone 1, 21, and H2 environment.

7" to 22" multiple display sizes optional.

Intrinsically safe Ex i touch screen, ESD protected, can be operated in explosive area directly.

High-performance 32-bit 1GHz RISC CPU, fast processing capability.

Powerful XYFD2000 configuration software function, support C language macro scripts

Supports main PLC: Siemens, Schneider, Beckhoff, Rockwell, Omron, Keyence, Mitsubishi, etc.

Supports TCP/IP, Modbus TCP, QMTT, OPC UA, Codesys Free Tags, My SQL, etc.

Supports Profibus-DP, MPI bus communication, MPI multi-screen multi-machine networking

Can be equipped with external explosion-proof USB sleeve, external USB data access.

Industrial-grade design, IP66 for whole device, max. ambient temp. range: -40~60°C.

²Embedded installation facilitates different explosion-proof type requirements.

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Datasheet

Model	XY800_7D RHMIQ	XY800_10 DRHMIQ	XY800_12 DRHMIQ	XY800_15 DRHMIQ	XY800_17 DRHMIQ	XY800_19 DRHMIQ	XY800_15 BDRHMIQ	XY800_19 BDRHMIQ	XY800_22 DRHMIQ
Display type	TFT_LCD/LED backlight								
Display size	7"	10.4"	12.1"	15"	17"	19"	15.6"	18.5"	21.5"
Resolution	800*480	800*600 (4:3)		1024*768 (4:3)	1280*1024 (5:4)		1920*1080 (16:9)		
Color	16.7M								
Brightness	300 cd/m² (High brightness≥600cd/m² optional)								
LCD lifespan	50000hrs								
Display	Touch panel intrinsically safe explosion-proof , anti-static treatment								
Operation	Touch panel operation								
CPU	32 Bit 800MHz RISC				32 Bit 1GHz RISC				
Memory	256M Flash + 256M DDR3 DRAM				4GB Flash + 512 DDR3 DRAM				
Communication interface	1*10M/100M ethernet RJ45+2*RS232/RS485/RS422 (for 7"/10.4" without COM1 port)								
USB	1*USB Host 1.1 port: supports USB storage, 1*USB Device 2.0 port: supports USB program download								
Program download	Configuration software: XYFD2000 V4.1, Support download via USB master/slave port and network port								
Ambient temp.	NT: 0~50℃ (LT: -20~60℃ / WT: -40~60℃ optional)								
Storage temp.	-40~70℃								
Ambient humidity	10 ~90 % RH (no condensation)								
Rated power	4W Max 8W	8W Max 10W	10W Max 12W	13W Max 15W	20W Max 55W	25W Max 60W	30W Max 70W	32W Max 70W	35W Max 75W
Voltage level	DC24V,working range DC 21V~28V (power failure <3ms allowed)								
Electrical interface	4*M20x1.5H				6*M20x1.5H	8*M20x1.5H	6*M20x1.5H	8*M20x1.5H	
Product weight	about 12Kg	about 17Kg	about 20Kg	about 28Kg	about 31Kg	about 33Kg	about 30Kg	about 35Kg	about 39Kg
Protection level	IP66 (whole device)								
Ex-proof mark	Ex db ib IIB+H2 T6 Gb / Ex ib tb IIIC T80℃ Db								
Certification	IECEX, ATEX, CNEX								

Images of

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Address: 3/F, Building-B Dongxin Science Park, Honglangbei
2nd Road, Bao'an District, Shenzhen, Guangdong, China



sales04@xyiconex.com



+86 19924532025



xyiconex.com



**Panel Technologies
India Private Limited**

India contact details



139/10, Gala no. B/2, Osiya Matadi Compound,
Kalher, Thane, Maharashtra 421302



support@paneltechnologies.in



+91 99878 81335



www.paneltech.in