

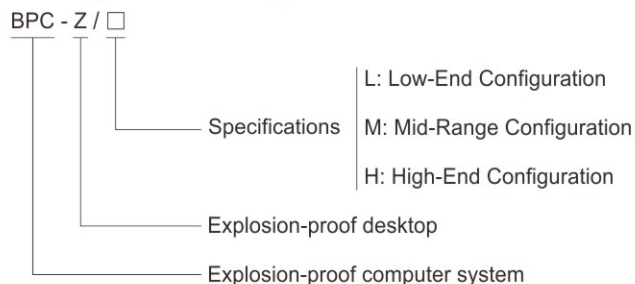
Explosion-proof Computer System

BPC-Z Series Explosion-proof Desktop



- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22

■ Catalogue number logic



■ Product features

- ◆ The explosion-proof enclosure is welded by stainless steel, with a brushed finish on its surface.
- ◆ The system is equipped with Intel ATOM D series low-power high-performance processor solutions, offering comprehensive functionalities and strong environmental adaptability.
- ◆ It utilizes a miniaturized, low-power, high-performance embedded full-scale computer, featuring a compact structure and fanless design, with the enclosure also serving as a heat sink.
- ◆ Hard connections between internal modules enhance the reliability of signal conversion and assembly efficiency, significantly increasing the mean time between failures and reducing maintenance time.
- ◆ It features a wide voltage input, incorporating anti-reversal and over-current, over-voltage protection designs, ensuring normal operation in unstable voltage and supporting remote start-up and shutdown interfaces.
- ◆ The system employs high-quality wide temperature industrial-grade components, catering to industrial sites and special industry applications.

Zones 1&2; 21&22

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Technical data

Explosion-proof desktop BPC-Z

Explosion protection

Global (IECEX)	IECEX (applied for)
Gas and dust	Ex db eb [ib] IIB T6 Gb
	Ex tb IIIC T80°C Db
Europe (ATEX)	ATEX (applied for)
Gas and dust	Ex II 2 G Ex db eb [ib] IIB T6 Gb
	Ex II 2 D Ex tb IIIC T80°C Db

Certificates

Conformity to standards

Degree of protection

IECEX; ATEX
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-11, IEC 60079-31
EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-11, EN 60079-31
IP66

Selection table

Product Model	BPC-Z/L	BPC-Z/M	BPC-Z/H
Configuration	Low-End Configuration	Mid-Range Configuration	High-End Configuration
Processor	Intel® H61	Intel® H61	Intel® Q77
CPU	Pentium Duo G2120 3.1G	Core Quad-Core 4 Threads I5-2400 3.1G	Core Quad-Core 8 Threads I7-2600 3.4G
Memory	2GB, supporting up to 16GB with two memory slots		
Hard Drive	500G	500G	1TB
Storage	4×SATA 2.0 Interfaces	4×SATA 2.0 Interfaces	6×SATA Interfaces with hot-swappable
Graphics Card	Discrete Graphics Card with 1GB memory		
Network Ports	2×10/100/1000Mbps	2×10/100/1000Mbps	2×Gigabit Ethernet Ports, supporting Wake-on-LAN and AMT 8.0 features
Watchdog Timer	255 Levels, programmable seconds/minutes, triggering interrupt on timeout or system reset		
Power Supply	250W	350W	350W
Operating Environment	-10°C~+60°C; 10%~90% (non-condensing state)	-10°C~+60°C; 10%~90% (non-condensing state)	-5°C~+60°C; 10%~90% (non-condensing state)



Dimension drawings (all dimensions in mm) - subject to alteration

