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

## Catalogue number logic

BPC - XM / □

| | |
|---|---|
| | 12: 12.1-inch |
| | 15: 15.0-inch |
| Screen size | 17: 17.0-inch |
| | 19: 19.0-inch |
| | 21: 21.5-inch |
| Explosion-proof monitor (Touch-integrated) | |
| Explosion-proof computer system | |
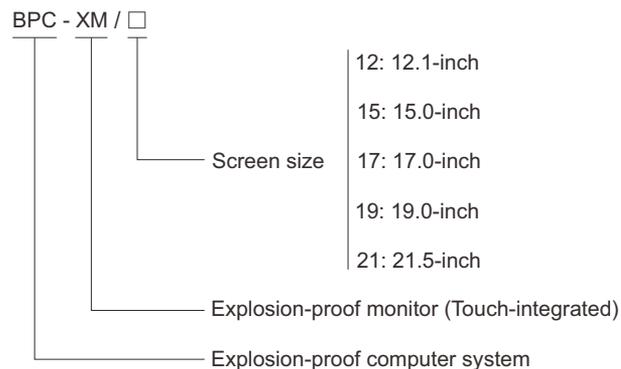
## Product features

◆ Explosion-Proof Human-Machine Interface (HMI) with touch capability, offering high efficiency and sensitivity, enabling direct touch in explosion-proof zones;

◆ Dual-NIC standard configuration provides network redundancy, enhancing client availability on the network;

◆ Fanless design featuring unique and innovative high-efficiency thermal management, preventing shutdowns caused by fan failures;

◆ Wide-screen display maintains the same resolution as DCS system operator stations, achieving optimal quality and viewing experience;

◆ Support direct communication with PLCs, facilitating seamless data exchange with connected devices;

◆ Specially designed for hazardous industrial environments, this integrated explosion-proof HMI operates via touch, supports onboard intrinsic safety keyboards, and explosion-proof mice, and is widely used in information and automation control systems across explosive hazard sites.

# Zones 1&2; 21&22

# Explosion-proof Computer System
## BPC-XM Series Explosion-proof Monitor (Touch-integrated)

## Technical data

### Explosion-proof monitor (Touch-integrated)    BPC-XM

| | |
|---|---|
| **Explosion protection** | |
| Global (IECEx) | IECEx (applied for) |
| Gas and dust | Ex db IIB T6 Gb |
| | Ex tb IIIC T80    Db |
| Europe (ATEX) | ATEX (applied for) |
| Gas and dust | ⟨Ex⟩ II 2 G Ex db IIB T6 Gb |
| | ⟨Ex⟩ II 2 D Ex tb IIIC T80    Db |
| **Certificates** | IECEx; ATEX |
| **Conformity to standards** | IEC 60079-0, IEC 60079-1, IEC 60079-31 |
| | EN 60079-0, EN 60079-1, EN 60079-31 |
| **Degree of protection** | IP66 |
| **Brightness** | $350cd/m^2(>600cd/m^2$ optinal) |
| **Operating Mode** | Fingertip or touch-pen operation (explosion-proof keyboard and mouse optional) |
| **CPU** | Intel Core i5 / Intel Core i7 |
| **Memory** | 8 GB(16GB, 32GB optional) |
| **Storage** | 128G SSD(256G, 512G, 1T SSD optional) |
| **Ethernet** | 2*10/100/1000 Mbps Ethernet/R45 |
| **Serial Port** | 4 * RS485 /RS422 /RS232 |
| **USB** | USB 3.0, with extension capability for 2 USB 2.0 |
| **Operating System** | win 7, win 10, win 11, Kirin (Domestic version) |
| **Operating Temperature** | -40    ~+60 |
| **Operating Voltage** | 220VAC, 110VAC /24VDC |
| **Installation Method** | Wall-mounted, flush-mounted on front panel, optional column-/cantilever-/wall-mounted console |

## Selection table

| Product Model | BPC-XM/12 | BPC-XM/15 | BPC-XM/17 | BPC-XM/19 | BPC-XM/21 |
|---|---|---|---|---|---|
| Screen Size | 12.1" | 15" | 17" | 19" | 21.5" |
| Resolution | 1024*768(4:3) | | 1280*1024(5:4) | | 1920*1080(16:9) |
| Unit Weight | 16Kg | 24Kg | 30Kg | 34Kg | 36Kg |

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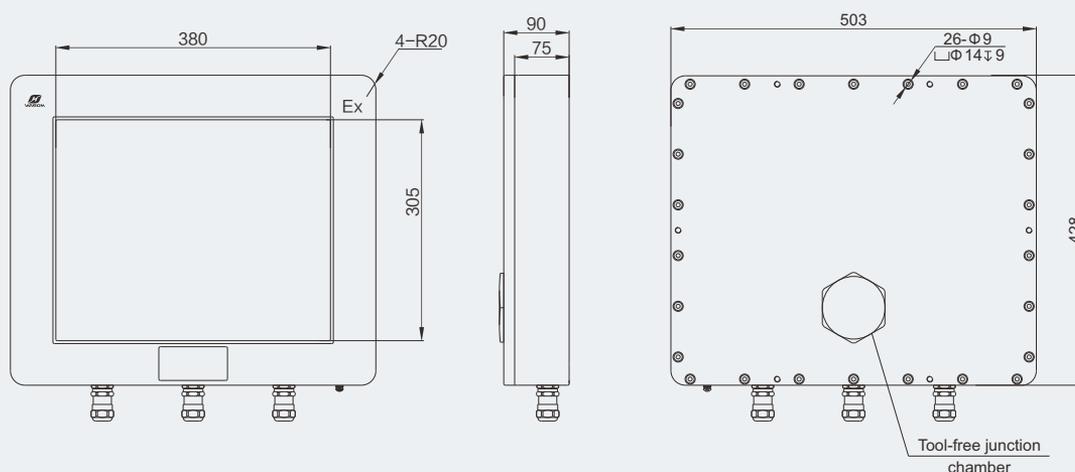


This diagram depicts a 19-inch model.