

PBOX 520A

4U ATX Industrial Motherboard 19" Rackmount Chassis

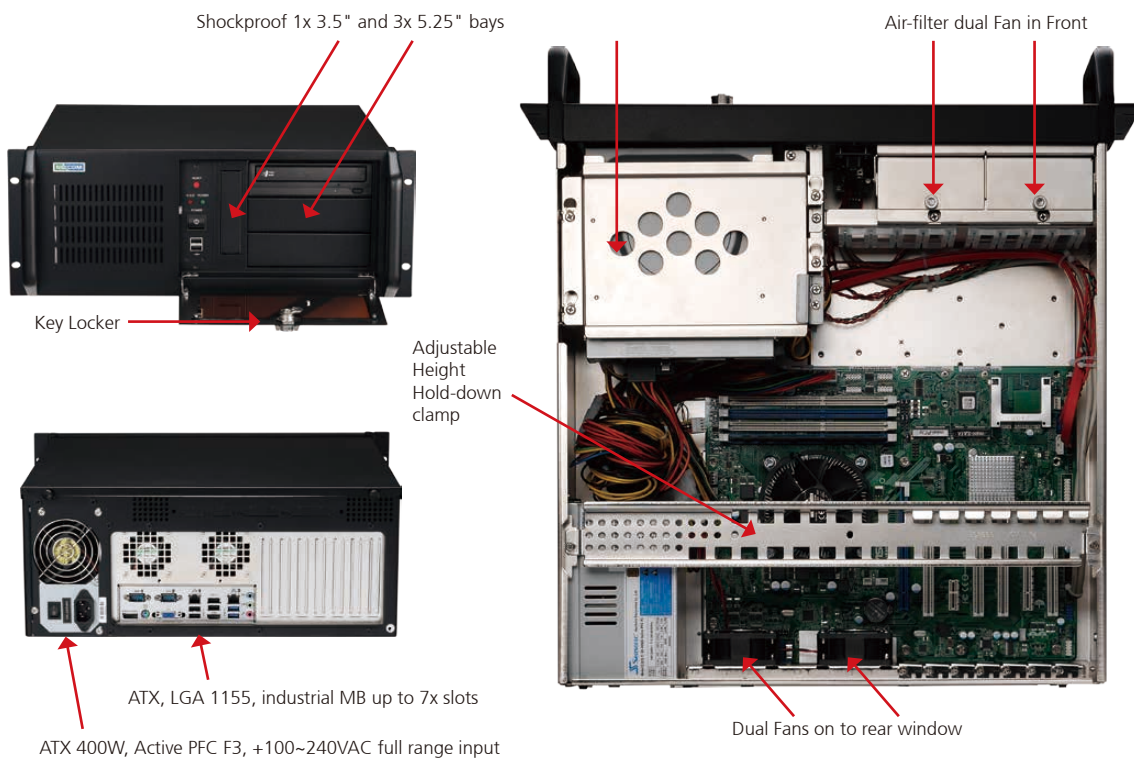


Main Features

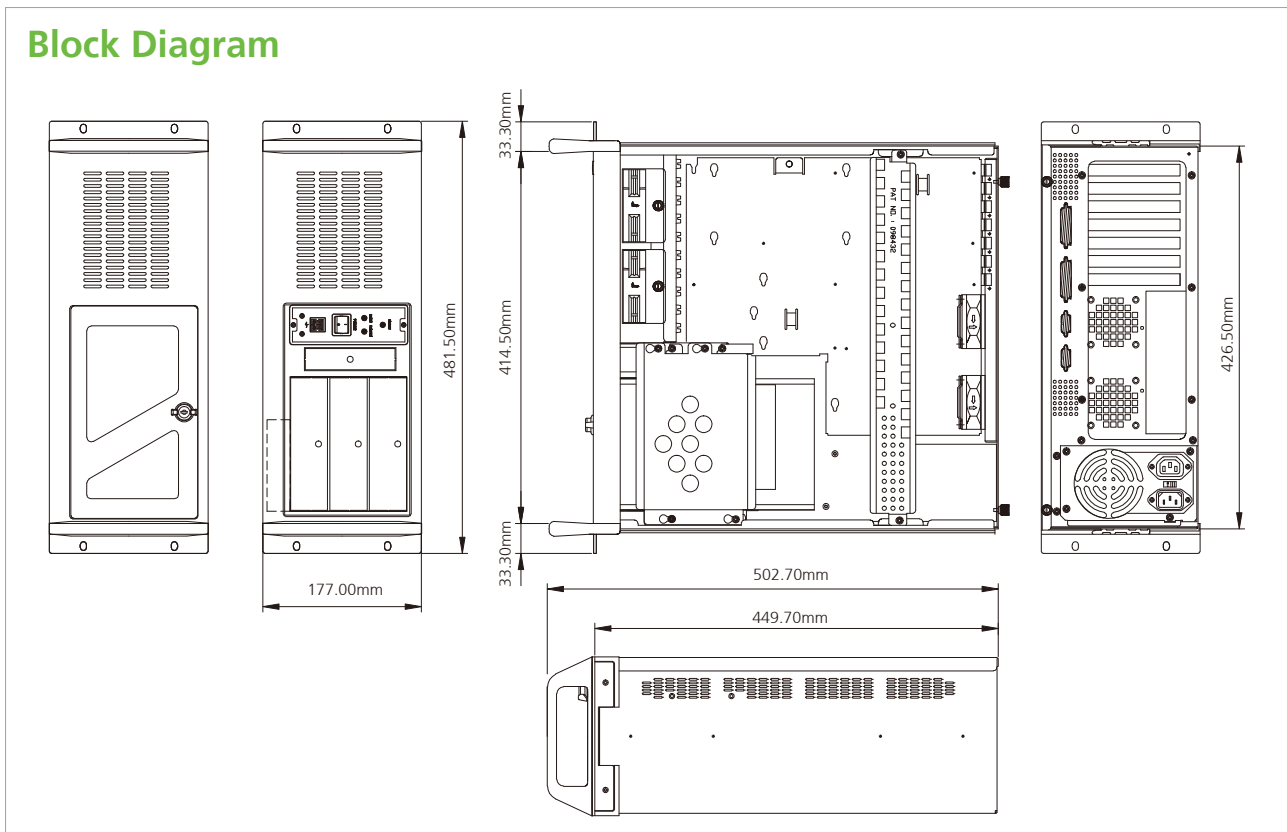
- 19" Rackmount Industrial Chassis for ATX/ Micro-ATX industrial Motherboards
- Shockproof disk bay design hold up three 5.25" and one x 3.5" device bays
- Adjustable height of Hold-down clamp design for add-in cards protected shock and vibration
- Power and HDD LEDs improve system availability
- Front accessible air-filter for dust and easy maintenance
- Key-Lockable front door to avoid unauthorized access
- Thermal design with dual cooling fans in front and extra dual cooling fans in the rear windows
- Standard ATX 400W, active PFC F3, full-range +100~240VAC input

Product Overview

The PBOX 520A features as 4U 19" Rackmount ruggedized PC chassis. It was designed to build-in industrial ATX or Micro-ATX motherboard to support LGA1155 Intel® 3rd/ 2nd generation Intel® Core™ i7/ i5/ i3, Celeron® Processors.



Block Diagram



Specifications

Construction

- 4U, 19" Rackmount, heavy-duty steel chassis with color black.

Devices Bay:

- Front Accessible three 5.25" and one 3.5" device Bays

Cooling Fans:

- Two front-filtered cooling fans: 80x 80x 25mm, 41 CFM/ 33dBA/ 3200 RPM each
- Two rear-windows cooling fans : 60x 60x 25mm, 23.5 CFM/ 33.5dBA/ 4500 RPM each

Front Panel

- LEDs indication: one Power LED and one HDD status LED
- Control: one Power On/ Off Switch and one Power Reset Bottom

Environment

- Temperature
 - Operating: 0°C ~ 40°C (32 ~ 104°F)
 - Non- Operating: -20°C ~ 60°C (-4 ~ 140°F)
- Humidity
 - Operating: 10 ~ 85% @ 40°C, non-condensing
 - Non- Operating: 10 ~ 95% @ 40°C, non-condensing
- Vibration (5~500Hz)
 - Operating: 0.5 Grms (w/ HDD)
 - Non-Operating: 2 G (sin wave)
- Shock
 - Operating: 10 G (with 11ms duration, half sin wave)
 - Non- Operating: 30 G

Power Supply

- Power Type: ATX mode, 80plus
- Input Voltage: +100V~240VAC, Full Range
- Max. Output Power 400W, active PFC F3
- Power Supply Certification: CE, FCC, CCC and TUV

Dimension

- Wx Dx H = 482mm x 450mmx 177mm
(19" x 17.8"x 7", 1U= 1.75" height)

Ordering Information

- **PBOX 520A-980 (P/N: 79R0520A00X00)**
- **Chassis: PBOX520A with Chassis Color: Black**
- **Power Supply: 400W ATX, 100~ 220Vac Full Range Input**
- **Industrial Motherboard: NEX980 (ATX, socket LGA 1155)**