

# IEC-821

## 4U, Multi-purpose 19" Rackmount Chassis

two 3½" and three 5¼" drives  
14-slot Passive Backplane  
RAID-option, Redundant Power



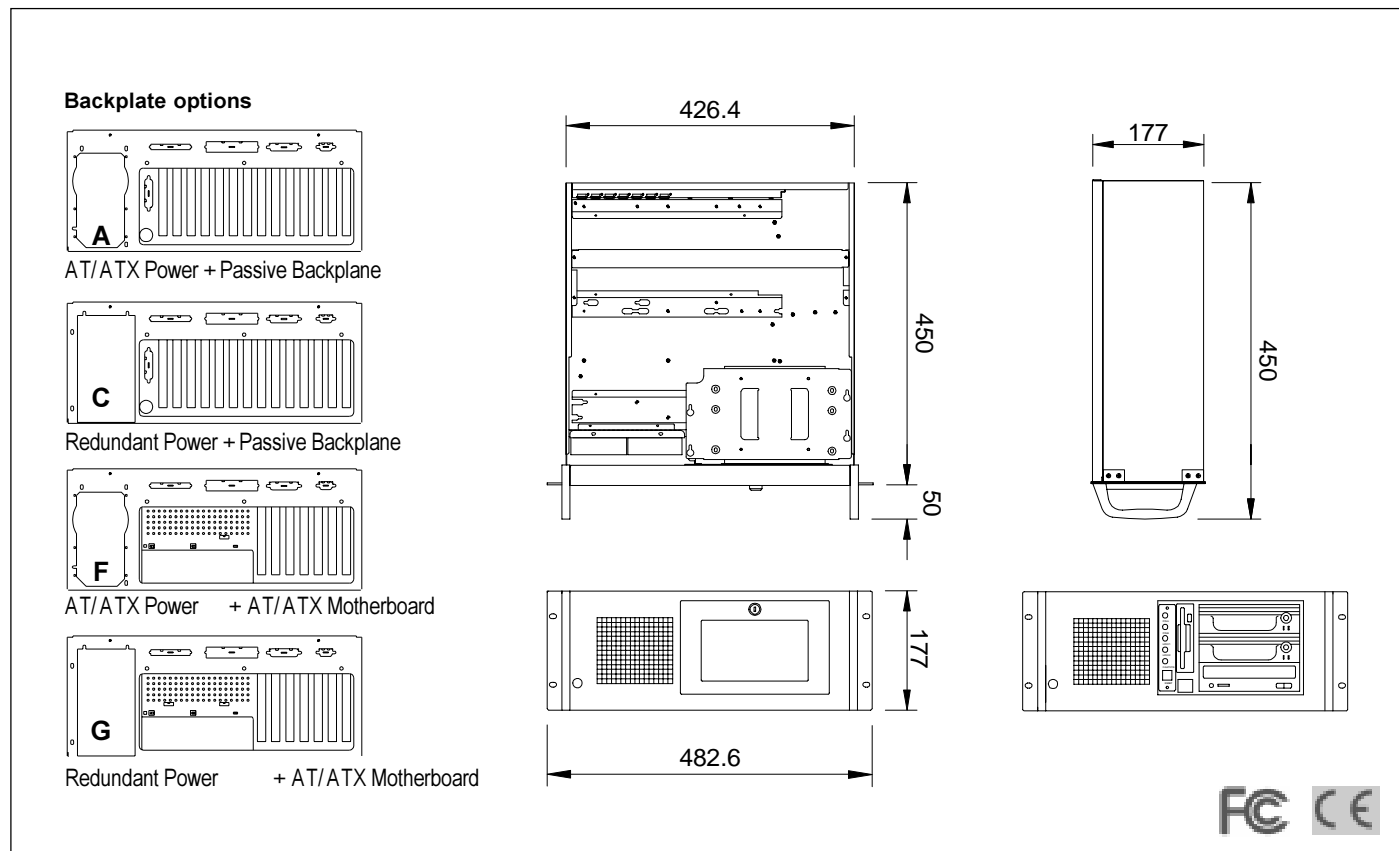
### Broad Application Field

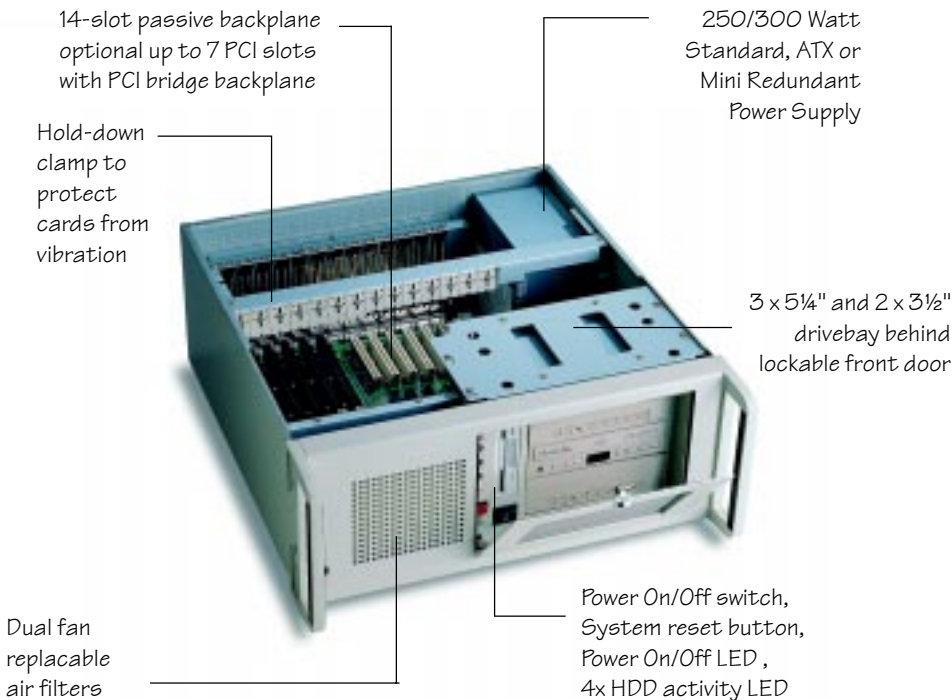
The IEC-821 is a rugged 19" rackmount chassis specially built for highly integrated solutions.

The large drive bay accept as much as three 5¼" drives and two 3½" drives. The drive bay offers enough space for a hotswap IDE-based RAID subsystem, a CDROM drive and a Floppy drive, all accessible from the front panel.

### PS/2 ATX or Redundant Power

The IEC-821 can be equipped with standard PS/2, ATX or with a Redundant Power Supply.





## General Specifications

### Dimensions

482 (W) x 177 (H) x 450 (D) mm  
(19" x 7" x 17.7")

### Weight

Net 11 kg (24.3 lb), Gross 15.5 kg (34.1 lb)  
(without backplane, drives and power supply)

### Color

PANTONE 414C

### Construction

Heavy-duty steel chassis

### Slots

up to 14 boards (from which 8 full-length)  
can be installed

### Disk drive bay

three 5 1/4" drives (accessible from front panel)  
and two 3 1/2" drives (one accessible from front)

### Cooling fans

Two 80 CFM ballbearing fans (flow-in) with  
air filter on front

### Controls on Front Panel

Power On/Off switch, System reset button,  
protected by lockable door

### Indicators on Front panel

Five LEDs Power on, 4x HDD activity

### Keyboard connector

Pre-wired 5-pin DIN connector on front  
and rear panels

### Speaker

one 8-ohm speaker mounted on fan housing

### Hold-down clamp

Adjustable for full- and half-size cards

## Power Supply Options

### IPS-ZKS-250A

250 W Power Supply (PS/2 size)

$V_{INPUT}$  : 95~130  $V_{AC}$  or 180~260  $V_{AC}$   
@ 47~63 Hz, switchable

$V_{OUTPUT}$  (max. load) : +5 V @ 25 A,  
+12 V @ 10 A, -5 V @ 0.5 A, -12V @ 0.5 A

$V_{OUTPUT}$  (min. load) : +5V @ 1 A, +12 V @ 0.4 A

### IPS-ZKS-250WX

250 W ATX Power Supply (PS/2 size)

$V_{INPUT}$  : 100~130  $V_{AC}$  or 180~260  $V_{AC}$   
@ 50~60 Hz, switchable

$V_{OUTPUT}$  (max. load) : +3.3 V @ 14 A,  
+ 5 V @ 25 A, +12 V @ 12 A, -5 V @ 0.5 A,  
-12V @ 1 A, +5 Vsb @ 1.5 A

$V_{OUTPUT}$  (min. load) : +5V @ 3 A, +12 V @ 2 A

### IPS-BPS-250RD

2x 250 W Mini Redundant Power Supply

$V_{INPUT}$  : 90~132  $V_{AC}$  or 180~264  $V_{AC}$   
@ 47~63 Hz, switchable

$V_{OUTPUT}$  (max. load) : +5V @ 30A,  
+12 V @ 14 A, -5 V @ 0.5 A, -12V @ 0.5 A

$V_{OUTPUT}$  (min. load) : +5V @ 3 A, +12 V @ 1A

### IPS-BPS-250RDX

2x 250 W Mini Redundant (ATX) Power Supply

$V_{INPUT}$  : 90~132  $V_{AC}$  or 180~264  $V_{AC}$   
@ 47~63 Hz, switchable

$V_{OUTPUT}$  (max. load) : +3.3 V @ 20 A,  
+5 V @ 30 A, +12 V @ 14 A, -5 V @ 0.5 A,  
-12V @ 0.8 A, +5 Vsb @ 0.7 A

$V_{OUTPUT}$  (min. load) : +5V @ 3 A, +12 V @ 1A

## Passive Backplane Options

### PBI-14S

14-slot ISA Passive Backplane

### PBPI-14SA

14-slot PICMG Passive Backplane,  
8 ISA, 2 PICMG, 4 PCI with 20-pin ATX,  
standard AT and power terminal block

### PBPX-14S7

14-slot PICMG Passive Backplane with PCI  
bridge, 5 ISA, 2 PICMG, 7 PCI, with 20-pin  
ATX, standard AT and power terminal block

### PBPI-14S2

Mirrored 14-slot PICMG Passive Backplane  
8 ISA, 2 PICMG, 4 PCI in reversed order

## Environmental

### Operating Temperature

0~50°C (0~70°C non-operating)

Altitude 3000 m (10,000 ft.)

Shock 2.5G @ 15-20ms,  
(35G @ 15-20ms non-operating)

### Vibration

5 ~ 17 Hz, 0.1" double amplitude displace-  
ment; 17 ~ 500 Hz, 1.5 G acceleration

### EMI & Safety

Chassis designed to meet FCC Class B,  
UL1950 and CSA. CE and TÜV certifiable

## Ordering

**IEC-821A** : 19", 4U Rackmount Chassis  
for installation of Passive Backplane  
and PS/2-type AT/ATX Power Supply

**IEC-821C** : 19", 4U Rackmount Chassis  
for installation of Passive Backplane  
and Mini Redundant Power Supply

**IEC-821F** : 19", 4U Rackmount Chassis  
for installation of AT/ATX motherboard  
and PS/2-type AT/ATX Power

**IEC-821G** : 19", 4U Rackmount Chassis  
for installation of AT/ATX motherboard  
and Mini Redundant Power Supply

**IEC-821A-C14A-AT250** : 19", 4U Rackmount  
Chassis with 14-slot PCI/ISA Passive  
Backplane and 250 W Power Supply

**IEC-821A-C14A-AX250** : 19", 4U Rackmount  
Chassis with 14-slot PCI/ISA Passive  
Backplane and 250 W ATX Power Supply

**IEC-821C-C14A-MR250** : 19", 4U Rackmount  
Chassis, 14-slot PCI/ISA Passive Backplane  
and 2x 250 W Redundant Power Supply

**IEC-821C-C14A-MX250** : 19", 4U Rackmount  
Chassis, 14-slot PCI/ISA Passive Backplane  
and 2x 250 W Redundant ATX Power Supply

**IEC-821F-AX250** : 19", 4U Rackmount  
Chassis for AT/ATX motherboard with  
250 W ATX Power Supply

**IEC-821G-MX250** : 19", 4U Rackmount  
Chassis for AT/ATX motherboard with  
2x 250 W Redundant ATX Power Supply