

XiA



XiA2/XiA4 | IP50 INDUSTRIAL COMPUTER MODULE

DYNICS XiA is a compact computer built with no moving parts and equipped with an aluminum heatsink in an IP50 sealed form factor, featuring an Intel® Apollo Lake processor. With your choice of operating system, storage and optional Wi-Fi the XiA is a cost-effective entry level industrial computer. The XiA series ships ready to install on a standard Din Rail. Additional panel and shelf mount brackets are included.

- Fanless (No Moving Parts)
- Aluminum Heatsink
- IP50 Rating
- UL Listed
- Graphite Power Coating

PC SPECIFICATIONS

COMPUTER I/O PORTS

1Gb Ethernet Ports
SFP Ethernet Ports
(SFP modules not included)
USB 3.0 Ports
USB 2.0 Ports
RS-232/422/485 Ports
RS-232 Ports
Analog VGA Video Ports
HDMI Ports
Audio Jack (Line Out)

CPU

CPU SPEED

MEMORY

STORAGE

OPERATING SYSTEM

POWER SUPPLY

OPTIONAL

TEMPERATURE

RELATIVE HUMIDITY

SHOCK RESISTANCE

VIBRATION

COMPLIANCE

WARRANTY

XiA2

XiA4

XiA4S

2x	4x	2x
-	-	2x
2x	2x	2x
4x	2x	2x
1x	1x	1x
1x	1x	1x
1x	1x	1x
1x	1x	1x
1x	1x	1x

Intel® Apollo Lake Pentium® 4200

Up To 2.5GHz Turbo

2MB Cache (4 Cores, 4 Threads)

Up to 16GB DDR3

128-512GB M.2 2242 Solid State SATA Flash Drive or

256GB-2TB Solid State SATA Flash Drive [easily removable drive option (-RSSD) available]

- Windows® 10 Enterprise IoT LTSC 2019 (64-bit) - Windows® 10 Enterprise IoT LTSC 2021 (64-bit)

- Windows® 10 Pro - Windows® 11 Pro - Linux® Ubuntu®

24VDC Power Entry (3-Pin Quick Disconnect Included)

[Contact Dynics for External Power Supply Options]

Dual Wi-Fi 2.4 GHz

Operating: 0°-50°C | 32°-122°F | Non-Operating: -25°-60°C | -13°-140°F

Non-Condensing: 20% - 80%

Operating: 10G | Non-Operating: 15G

Operating: 1.0G from 57~2000Hz | Non-Operating: 2.5G from 57~2000Hz

- USA: UL Listed, UL61010-1+UL 61010-2-201, FCC 47CFR Part 15 Class A

- Canada: cUL Listed, CSA C22.2 No. 61010-1-12+CSA C22.2 NO. 61010-2-201, ICES-001, Class A

- EU: RoHS Directive 2011/65/EU, EN 50581, EMC Directive 2014/30/EU, EN 61326-1, Low Voltage

Directive 2014/35/EU, EN 61010-1+EN 61010-2-201

24-Month limited warranty. Extended warranty available, contact DYNICS for more details.

PWR-24V-BRK-40W-3PIN

40 Watt AC to DC Desktop Brick Power Supply, 6 Ft US AC Power Cable, 3-PIN DC Cable



PWR-24V-2.5ADC-ECO-RAIL

ECO-RAIL-2 Industrial DIN Rail Mount 60 W Power Supply, 90-264 VAC Input, 24VDC, 2.5ADC Output

OPTIONAL ACCESSORIES

DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	HEIGHT	WIDTH	DEPTH	WEIGHT*	POWER CONSUMPTION**
XiA2 /4/ 4S	7.1" (180.3mm)	3.15" (80.0mm)	5.1" (129.5mm)	3 lbs. (1.4kg)	16 Watts
XiA2 /4/ 4S - RSSD Option	7.1" (180.3mm)	3.9" (99.1mm)	5.1" (129.5mm)	3.5 lbs. (1.6kg)	16 Watts

* Weights are approximate, contact DYNICS for details.

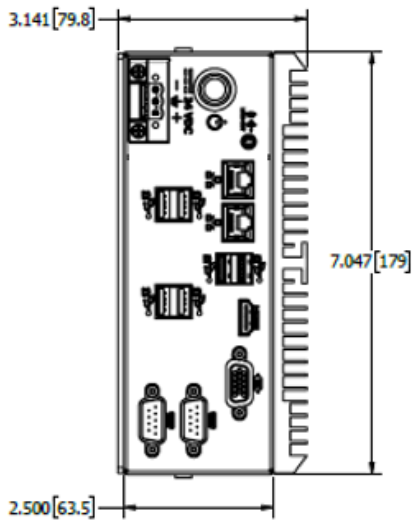
** Power consumption is based on maximum ratings, actual ratings vary significantly based on components used.

XiA

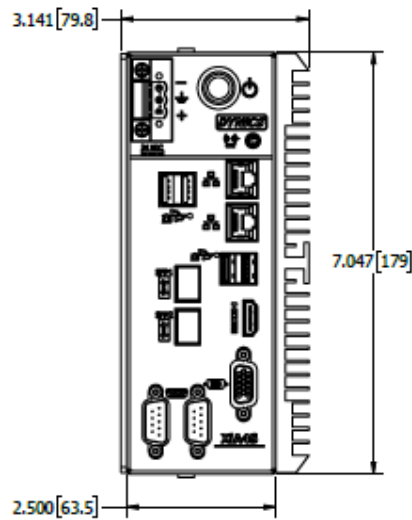


MECHANICAL DRAWINGS

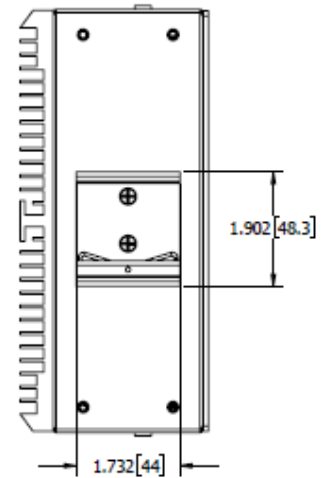
XiA2 FRONT VIEW



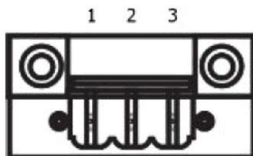
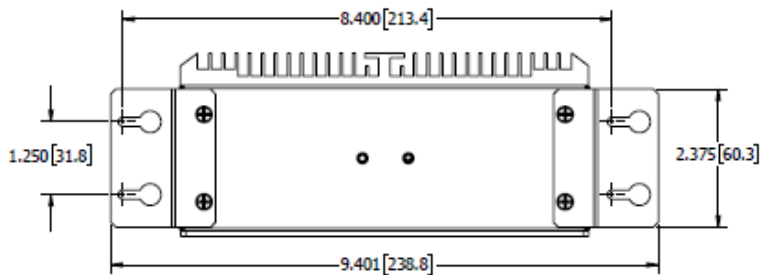
XiA4 FRONT VIEW



BACK VIEW (DIN Mount)

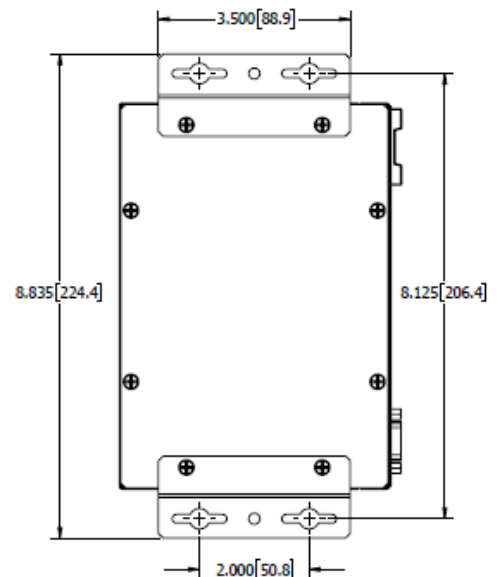


BACK VIEW (w/ Panel Mount Brackets)



PIN 1: V+
PIN 2: \perp (Chassis GND)
PIN 3: V-

SIDE VIEW (w/ Shelf Mount Brackets)



All measurements are in inches and pounds, unless noted. Pictures and drawings are not to scale. Estimated weight may change depending on options. DYNICS Reserves the right to change, modify, upgrade, or discontinue any part of this datasheet without any prior notice.

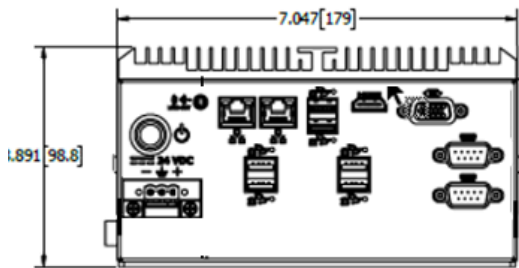
XiA-RSSD



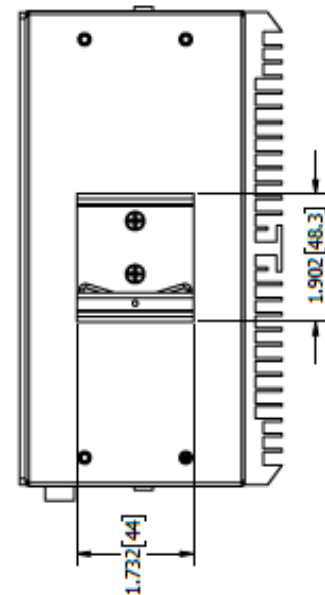
MECHANICAL DRAWINGS

XIA2/4-RSSD MECHANICAL DRAWINGS

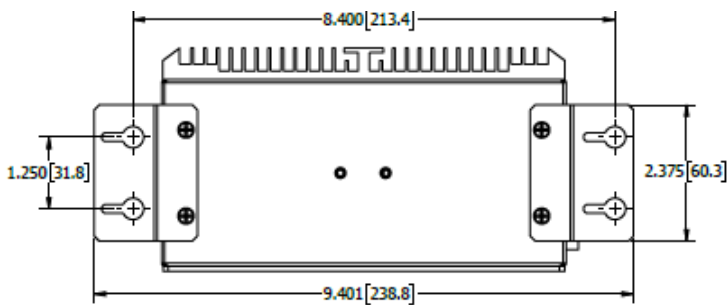
FRONT VIEW (XIA2 shown)



BACK VIEW (DIN Mount)

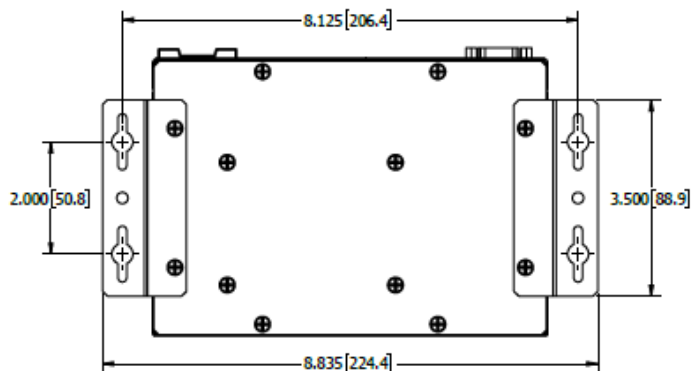


BACK VIEW (w/ Panel Mount Brackets)

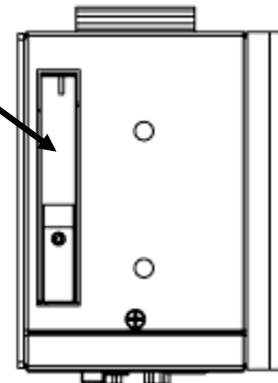


TOP VIEW (Showing Removable Drive)

SIDE VIEW (w/ Shelf Mount Brackets)



Removable
Drive Slot



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