DYNICS

MINI

MINI | Industrial Computer

DYNICS MINI series features four different minicomputers (Standard, Extended, Sealed IP50, and Desktop), equipped with a Braswell quad core processor and aluminum heat sinks, making these compact computers powerful and effective in industrial environments; suited for a multitude of production applications.

- Braswell N3160 CPU
- Fanless (No Moving Parts)
- Aluminum Heatsink

- 24VDC Power Entry
- Graphite Gray Powder Coat Finish
- Din Rail & Bracket Mounting Options

PC SPECIFICATIONS

Computer I/O Ports	MINI-S Standard	MINI-E Extended	MINI-X Sealed IP50	MINI-D Desktop
1Gb Ethernet Ports	2x	2x	2x	2x
USB 3.0 Ports	4x	4x	4x	4x
USB 2.0 Ports	-	2x	2x	-
DisplayPort	1x	1x	1x	1x
HDMI Port	1x	1x	1x	1x
RS232 Port	1x	1x	1x	-
RS232/422/485 Port	1x	1x	1x	-
Audio Jacks (Mic-In/Line-Out)	2x	2x	2x	-

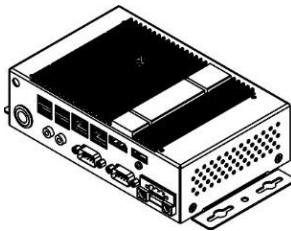|	
CPU	Braswell N3160
CPU SPEED	1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)
MEMORY	Up to 8GB DDR3
STORAGE	240GB to 480GB SATA 2.5" SSD / 1TB 2.5" HDD / 240GB mSATA **(mSATA not available with MINI-e)**
OPERATING SYSTEM	- Windows® 7 Professional (64-bit) - Windows® 7 Embedded (64-bit) - Windows® 10 Enterprise IoT LTSB 2016 (64-bit) Windows® 10 Enterprise IoT LTSC 2019 - Windows® 10 Pro (64-bit) - Linux Ubuntu
POWER SUPPLY	24VDC Power Entry
TEMPERATURE	Operating: 0°-50°C	32°-122°F
	Non-Operating: -25°-60°C	-13°-140°F
RELATIVE HUMIDITY	Non-Condensing: 20% - 80%
SHOCK RESISTANCE	Operating: 10G
	Non-Operating: 15G
VIBRATION	Operating: 1.0G from 57~2000Hz
	Non-Operating 2.5G from 57~2000Hz
INCLUDED	1x Panel Mount Brackets
	1x Set of DIN Rail Mounts
	1x DisplayPort-to-VGA adapter
COMPLIANCE	USA: UL 61010-1 (UL Listed), FCC 47 CFR Part 15, Class A Canada: CSA C22.2 No. 61010-1-12 (CUL Listed), ICES-001, Group 1, Class A European Union CE: EN 61010-1, EN 50581, CISPR 11, Group 1, Class A European Union Directive 2014/35/EU (RoHS)
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.

MINI

DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	HEIGHT	WIDTH	DEPTH	WEIGHT	POWER CONSUMPTION
MINI-S	2.1" (54.0mm)	8.4" (214.9mm)	4.6" (119.3mm)	5 lbs.*	25 Watts**
MINI-E	2.0" (50.8mm)	12.0" (304.8mm)	4.5" (114.3mm)	7 lbs.*	25 Watts**
MINI-X	1.8" (47.9mm)	7.8" (200.0mm)	6.0" (152.9mm)	3 lbs.*	25 Watts**
MINI-D	1.4" (36.2mm)	8.7" (222.2mm)	4.7" (119.3mm)	2 lbs.*	25 Watts**

* Weights are approximate, contact DYNICS for details.
** Power consumption is based on maximum ratings, actual ratings vary significantly based on components used.

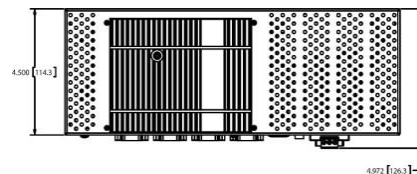## MECHANICAL DRAWINGS

MINI-S
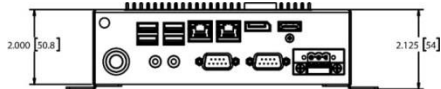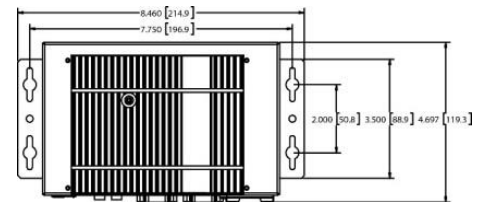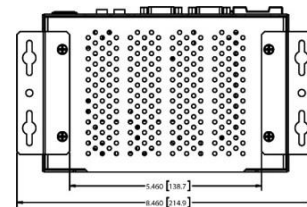
TOP VIEW

FRONT VIEW

BOTTOM VIEW

MINI-E
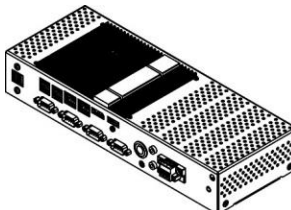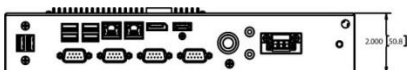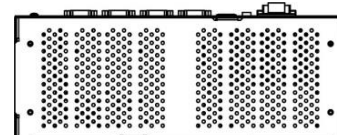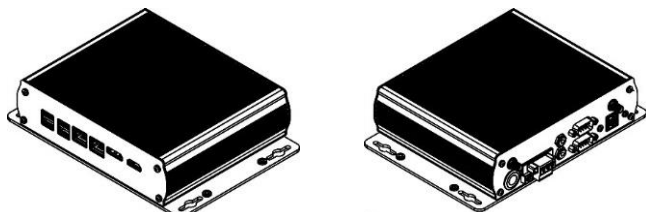
TOP VIEW

FRONT VIEW

BOTTOM VIEW

MINI
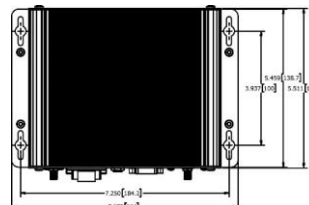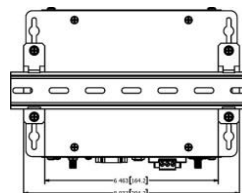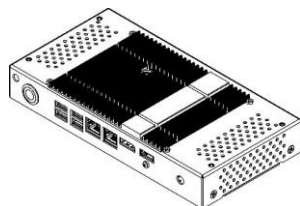

MINI-X

TOP VIEW

5.458 [138.7]
3.937 [100]
5.511 [140]
7.250 [184.1]
7.875 [200]

FRONT VIEW

6.699 [170.2]
1.889 [48]
2.204 [56]
2.362 [60]

BOTTOM VIEW

6.463 [164.1]
6.037 [164.2]

MINI-D

TOP VIEW

4.500 [114.3]

FRONT VIEW

1.250 [31.8]

BOTTOM VIEW

2.480 [63]
7.625 [193.7]
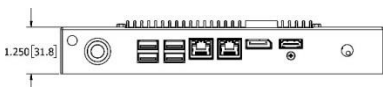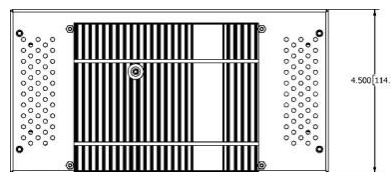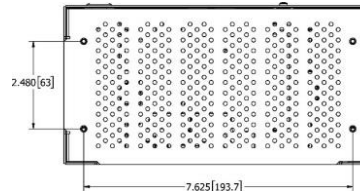
MINI-D WITH BARREL JACK

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.