



## ICS360.DEFENDER-MINI4 | Industrial Security Appliance

DYNICS ICS360.Defender-MINI4 is an Industrial Control System Security Appliance hosting the ICS360.Defender Security platform from DYNICS. The compact hardware is capable of a Firewall with Deep Packet Inspection, VPN Server and Client, and so much more! ICS360.Defender supports popular Industry standard protocols and can auto-learn industrial network traffic to minimize manual rule creation.

- ICS360.DEFENDER pre-loaded (see chart for Version & Feature Selection)
- Fan-less (No Moving Parts)
- IP50 Construction
- 4x RJ45 NICS or 4x RJ45 + 1GB 2x SFP Ethernet Ports
- Rugged
- DIN Rail Mount
- 24VDC Power Entry

### HARDWARE SPECIFICATIONS

<b>COMPUTER I/O</b>	1x
HDMI Port	2x
USB 3.0 Ports	4x 1Gb RJ45 Ethernet Ports   Optional: Additional 2x 1Gb SFP Ethernet Ports
<b>NICS</b>	24VDC Power Entry
<b>POWER SUPPLY</b>	Operating: 0°-50°C   32°-122°F   Non-Operating: -25°-60°C   -13°-140°F
<b>TEMPERATURE</b>	Non-Condensing: 0% - 85%
<b>RELATIVE HUMIDITY</b>	Operating: 10G   Non-Operating: 15G
<b>SHOCK RESISTANCE</b>	Operating: 1.0G from 57~2000Hz   Non-Operating: 2.5G from 57~2000Hz
<b>VIBRATION</b>	DIN Rail Mount (Optional Panel and Shelf Mount Brackets Available)
<b>INCLUDED</b>	1x Standard CR3032 Lithium Battery
<b>COMPLIANCE</b>	European Union Directive 2011/65/EU (RoHS)
<b>WARRANTY</b>	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.
<b>TECHNICAL SUPPORT &amp; MAINTENANCE</b>	Available, Renews Yearly, Contact DYNICS for details.
<b>OPTIONAL ACCESSORIES</b>	<p><b>PWR-24V-2.5ADC-ECO-RAIL</b> ECO-RAIL-2 Industrial DIN Rail Mount 60 W Power Supply, 90-264 VAC Input, 24VDC, 2.5ADC Output (Not Rugged)</p> <p><b>PWR-24V-BRK-40W-3PIN</b> 40 Watt AC to DC Desktop Brick Power Supply, 6 Ft US AC Power Cable, 3-PIN DC Cable (Recommended for Setup, Lab, &amp; Desktop Use Only, Not Rugged)</p>



### DIMENSIONS, WEIGHT AND POWER CONSUMPTION

<b>HEIGHT</b>	7.07" (179.7mm)
<b>WIDTH</b>	5.53" (140.4mm)
<b>DEPTH</b>	2.74" (69.6mm)
<b>WEIGHT</b>	2.8 lbs. (1.27kg)
<b>POWER CONSUMPTION</b>	26.4 Watts**

\* Weights are approximate, contact DYNICS for details.

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


**PART NUMBER INFORMATION**

ICS360.Defender Appliance Series			Optional Annual Technical Support & Maintenance	
Part Number	Description	License Type		Part Number
Each ICS360.Defender Product must be quoted with Optional Annual Technical Support & Maintenance and renewed annually				
<b>ICSDEF-MI40XXB1-SNT</b>	(See Hardware Spec, Page 1)	SIMPLE-NAT	+	<b>TS&amp;M-MI40XXB1-SNT</b>
<b>ICSDEF-MI40XXB1-NAT</b>	(See Hardware Spec, Page 1)	NAT	+	<b>TS&amp;M-MI40XXB1-NAT</b>
<b>ICSDEF-MI40XXB1-VPN</b>	(See Hardware Spec, Page 1)	VPN	+	<b>TS&amp;M-MI40XXB1-VPN</b>
<b>ICSDEF-MI40XXB1-LIT</b>	(See Hardware Spec, Page 1)	LITE	+	<b>TS&amp;M-MI40XXB1-LIT</b>
<b>ICSDEF-MI40XXB1-DLT</b>	(See Hardware Spec, Page 1)	LITE/DPI	+	<b>TS&amp;M-MI40XXB1-DLT</b>
<b>ICSDEF-MI40XXB1-PRO</b>	(See Hardware Spec, Page 1)	PRO	+	<b>TS&amp;M-MI40XXB1-PRO</b>
<b>Options including 2x 1GB SFP Ethernet Ports</b>				
<b>ICSDEF-MI42XXB1-SNT</b>	(See Hardware Spec, Page 1)	SIMPLE-NAT	+	<b>TS&amp;M-MI42XXB1-SNT</b>
<b>ICSDEF-MI42XXB1-NAT</b>	(See Hardware Spec, Page 1)	NAT	+	<b>TS&amp;M-MI42XXB1-NAT</b>
<b>ICSDEF-MI42XXB1-VPN</b>	(See Hardware Spec, Page 1)	VPN	+	<b>TS&amp;M-MI42XXB1-VPN</b>
<b>ICSDEF-MI42XXB1-LIT</b>	(See Hardware Spec, Page 1)	LITE	+	<b>TS&amp;M-MI42XXB1-LIT</b>
<b>ICSDEF-MI42XXB1-DLT</b>	(See Hardware Spec, Page 1)	LITE/DPI	+	<b>TS&amp;M-MI42XXB1-DLT</b>
<b>ICSDEF-MI42XXB1-PRO</b>	(See Hardware Spec, Page 1)	PRO	+	<b>TS&amp;M-MI42XXB1-PRO</b>


**ICS360.DEFENDER VERSIONS & FEATURE SELECTION**

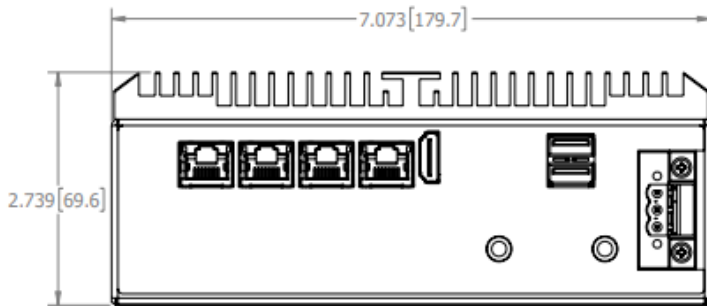
ICS360.Defender Features by License Type						
	SIMPLE-NAT (-SNT)	NAT (-NAT)	REMOTE (-VPN)	LITE w/o DPI (-LIT)	Lite w/ DPI (-DLT)	PROFESSIONAL (-PRO)
GENERAL	✓	✓	✓	✓	✓	✓
Dynics Cybersecurity Console Manage/Monitor multiple ICS360.Defenders	✓	✓	✓	✓	✓	✓
NAT Network Address Translation	✓	✓	✓	✓	✓	✓
DIAGNOSTICS Troubleshoot traffic, network, and ICS configuration	✓	✓	✓	✓	✓	✓
FIREWALL Control Network Traffic	✓	✓	✓	✓	✓	✓
VPN Remote Access/Virtual Private Network		✓	✓	✓	✓	✓
CERTIFICATE MANAGEMENT Local/Enterprise		✓	✓	✓	✓	✓
AD/LDAP/RADIUS/Local User Management Authentication Types		✓	✓	✓	✓	✓
DHCP Dynamic Host Configuration Protocol		✓	✓	✓	✓	✓
CAPTIVE PORTAL Control supplier access		✓	✓	✓	✓	✓
DNS Domain Name System		✓	✓	✓	✓	✓
RULES/POLICY SCHEDULER Schedule rules by date/time/duration			✓	✓	✓	✓
NTP (Network Time Protocol) Synchronize time to master clocks				✓	✓	✓
PACKAGES Adds additional functionality above base				✓	✓	✓
Asset Detection & Monitoring Track network assets by serial #, f/w, etc.				✓	✓	✓
DPI (Deep Packet Inspection) Finite control of access to PLCs, HMI's, Devices					✓	✓
Load Balancing Use multiple uplinks to increase throughput						✓
Traffic Shaping						✓
Hot Failover Redundancy for critical paths						✓

**DPI** Deep Packet Inspection  
**NAT** Network Address Translation  
**VPN** Virtual Private Network  
**Monitoring and Reporting**  
**GUI** Control Supplier Access  
**Redundancy**

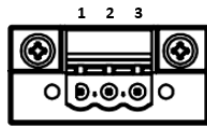


## MECHANICAL DRAWINGS

**FRONT VIEW**  
24VDC Power Entry



(Image shown does not include the optional 2x SFP Ethernet Ports)

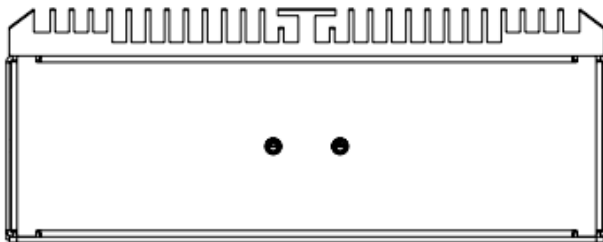


PIN 1: V+

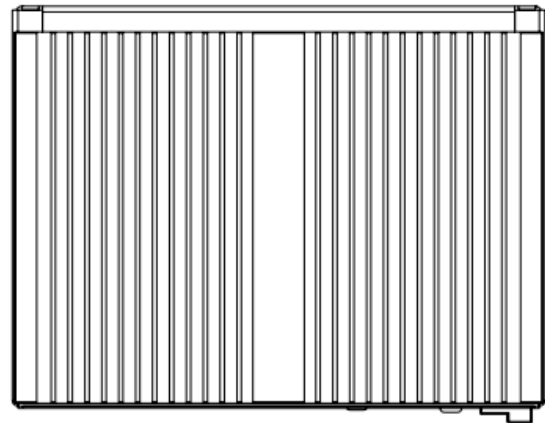
PIN 2:  (Chassis Ground)

PIN 3: V-

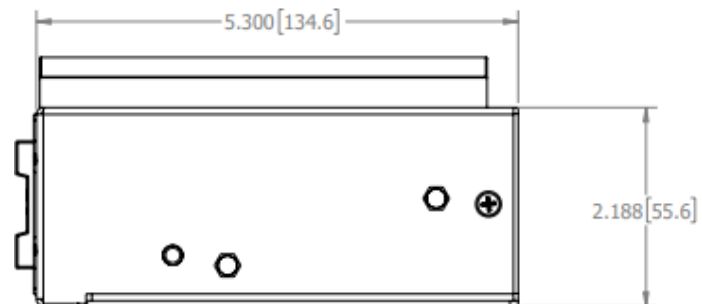
**BACK VIEW**



**TOP VIEW**



**SIDE VIEW**



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.