



## ICSDEF-NA31XDC1 | Industrial Security Appliance

DYNICS ICSDEF-NA31XDC1 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)
- IP20 Construction
- 3x RJ45 NICS + 1x 1GB SFP Ethernet Ports
- DIN Rail Mount
- 24VDC Power Entry

### HARDWARE SPECIFICATIONS

<b>UTILITY PORTS</b>	2x
USB 3.0 Ports	1x
HDMI Ports	
<b>NICS</b>	3x 2.5Gb RJ45 Ethernet Ports + 1x 1Gb SFP Ethernet Port
<b>POWER SUPPLY</b>	24VDC Power Entry
<b>TEMPERATURE</b>	Operating: 0°-50°C   32°-122°F   Non-Operating: -25°-70°C   -13°-158°F
<b>RELATIVE HUMIDITY</b>	Non-Condensing: 0% - 85%
<b>SHOCK RESISTANCE</b>	Operating: 10G   Non-Operating: 15G
<b>VIBRATION INCLUDED</b>	Operating: 1.0G from 57~2000Hz   Non-Operating: 2.5G from 57~2000Hz
<b>COMPLIANCE</b>	DIN Rail Mount (Optional Panel and Shelf Mount Brackets Available)
<b>WARRANTY</b>	1x Standard CR3032 Lithium Battery
<b>TECHNICAL SUPPORT &amp; MAINTENANCE</b>	European Union Directive 2011/65/EU (RoHS) 24-Month limited warranty. Extended warranty available, contact DYNICS for more details. Available, Renews Yearly, Contact DYNICS for details.

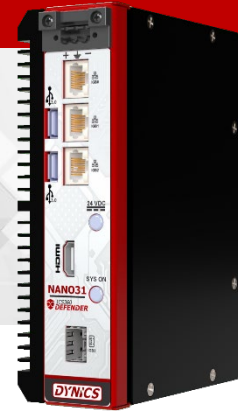
<b>OPTIONAL ACCESSORIES</b>	<b>PWR-24V-2.5ADC-ECO-RAIL</b>	ECO-RAIL-2 Industrial DIN Rail Mount 60 W Power Supply, 90-264 VAC Input, 24VDC, 2.5ADC Output (Not Rugged)	
	<b>PWR-24V-BRK-40W-3PIN</b>	40 Watt AC to DC Desktop Brick Power Supply, 6 Ft US AC Power Cable, 3-PIN DC Cable (Recommended for Setup, Lab, & Desktop Use Only, Not Rugged)	

### DIMENSIONS, WEIGHT AND POWER CONSUMPTION

<b>HEIGHT</b>	7.073" (179.7mm)
<b>WIDTH</b>	2.064" (52.4mm)
<b>DEPTH</b>	5.010" (127.3mm)
<b>WEIGHT</b>	1.9 lbs. (0.86kg)
<b>POWER CONSUMPTION</b>	35.6 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
<i>Each ICS360.Defender Product must be quoted with Optional Annual Technical Support &amp; Maintenance and renewed annually</i>				
<b>ICSDEF-NA31XDC1-SNT</b>	<i>(See Hardware Spec, Page 1)</i>	SIMPLE-NAT	+	<b>TS&amp;M-NA31XDC1-SNT</b>
<b>ICSDEF-NA31XDC1-NAT</b>	<i>(See Hardware Spec, Page 1)</i>	NAT	+	<b>TS&amp;M-NA31XDC1-NAT</b>
<b>ICSDEF-NA31XDC1-VPN</b>	<i>(See Hardware Spec, Page 1)</i>	VPN	+	<b>TS&amp;M-NA31XDC1-VPN</b>
<b>ICSDEF-NA31XDC1-LIT</b>	<i>(See Hardware Spec, Page 1)</i>	LITE	+	<b>TS&amp;M-NA31XDC1-LIT</b>
<b>ICSDEF-NA31XDC1-DLT</b>	<i>(See Hardware Spec, Page 1)</i>	LITE/DPI	+	<b>TS&amp;M-NA31XDC1-DLT</b>
<b>ICSDEF-NA31XDC1-PRO</b>	<i>(See Hardware Spec, Page 1)</i>	PRO	+	<b>TS&amp;M-NA31XDC1-PRO</b>

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



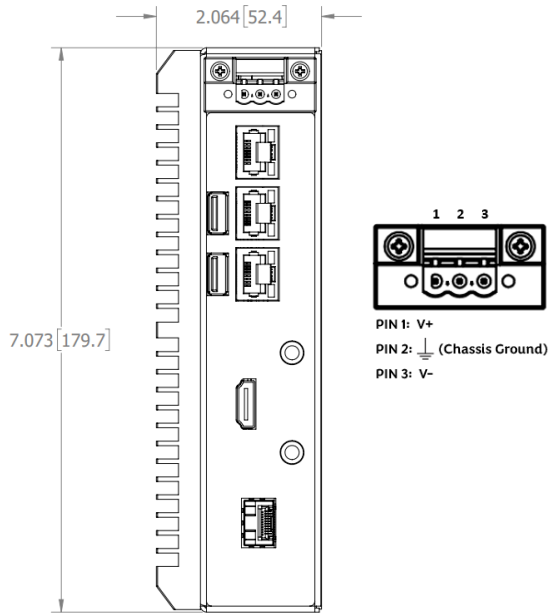

**ICS360.DEFENDER VERSIONS & FEATURE SELECTION**

ICS360.Defender Features by License Type						
	SIMPLE-NAT (-SNT)	NAT (-NAT)	REMOTE (-VPN)	LITE w/o DPI (-LIT)	Lite w/ DPI (-DLT)	PRO (-PRO)
<b>GENERAL</b>	✓	✓	✓	✓	✓	✓
<b>CYBERSECURITY CONSOLE</b> <small>Manage/Monitor multiple ICS360.Defenders</small>	✓	✓	✓	✓	✓	✓
<b>NAT</b> <small>Network Address Translation</small>	✓	✓	✓	✓	✓	✓
<b>DIAGNOSTICS</b> <small>Troubleshoot traffic, network, and ICS configuration</small>	✓	✓	✓	✓	✓	✓
<b>NOTIFICATIONS</b> <small>Email, Syslog, Telegram, Pushover</small>	✓	✓	✓	✓	✓	✓
<b>STATEFULL FIREWALL</b> <small>Control Network Traffic</small>		✓	✓	✓	✓	✓
<b>REMOTE ACCESS</b> <small>IPSec, SSL, WireGuard VPN</small>			✓	✓	✓	✓
<b>CERTIFICATE MANAGEMENT</b> <small>Local/Enterprise</small>			✓	✓	✓	✓
<b>USER MANAGEMENT</b> <small>AD/LDAP/RADIUS/Local Authentication Types</small>		✓ Local Users	✓	✓	✓	✓
<b>DHCP</b> <small>Dynamic Host Configuration Protocol</small>			✓	✓	✓	✓
<b>CAPTIVE PORTAL</b> <small>Control supplier access</small>			✓	✓	✓	✓
<b>DNS</b> <small>Domain Name System</small>			✓	✓	✓	✓
<b>ASSET DETECTION &amp; MONITORING</b> <small>Track network assets by serial #, f/w, etc.</small>		✓	✓	✓	✓	✓
<b>PACKAGES</b> <small>Adds additional functionality above base</small>		✓	✓	✓	✓	✓
<b>RULES/POLICY SCHEDULER</b> <small>Schedule rules by date/time/duration</small>				✓	✓	✓
<b>NTP (Network Time Protocol)</b> <small>Synchronize time to master clocks</small>				✓	✓	✓
<b>DPI (Deep Packet Inspection)</b> <small>Finite control of access to PLCs, HMIs, Devices</small>					✓	✓
<b>IPS/IDS</b> <small>Snort / Suricata</small>				✓	✓	✓
<b>LOAD BALANCING</b> <small>Use multiple uplinks to increase throughput</small>						✓
<b>TRAFFIC SHAPING</b>						✓
<b>HIGH AVAILABILITY</b> <small>Redundancy for critical paths</small>						✓

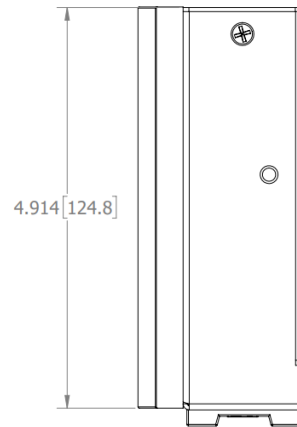


## MECHANICAL DRAWINGS

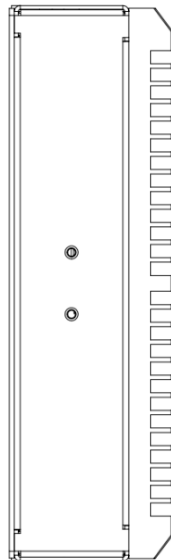
### FRONT VIEW 24VDC Power Entry



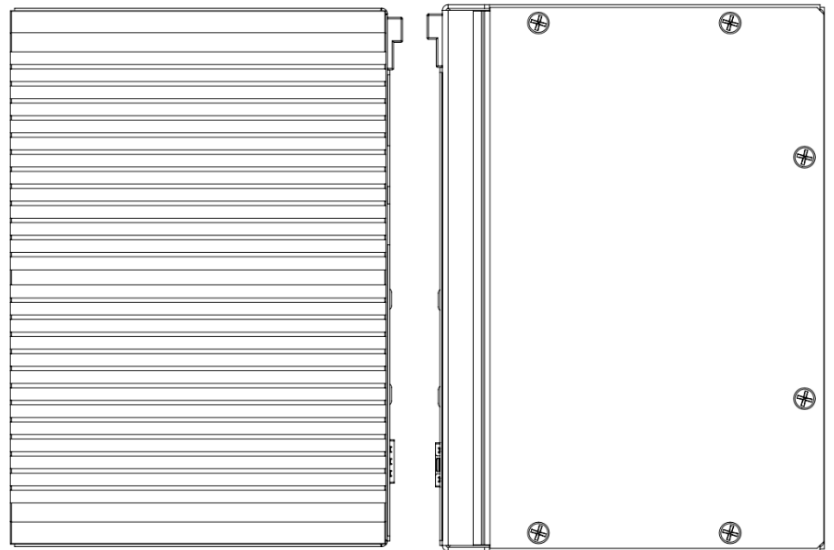
### TOP VIEW



### BACK 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.