



ICSDEF-MI91XDC1 | Industrial Security Appliance

DYNICS ICSDEF-MI91XDC1 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
- 5x 2.5Gb RJ45 + 4x 1Gb + 1x 1Gb SFP Ethernet Ports
- DIN Rail Mount
- 24VDC Power Entry

HARDWARE SPECIFICATIONS

| | |
|--|--|
| UTILITY PORTS | 2x |
| USB 3.0 Ports | |
| NICS | 5x 2.5Gb RJ45 Ethernet Ports + 4x 1Gb RJ45 Ethernet Ports + 1x 1Gb SFP Ethernet Ports |
| POWER SUPPLY | 24VDC Power Entry |
| TEMPERATURE | Operating: 0°-50°C 32°-122°F Non-Operating: -25°-70°C -13°-158°F |
| RELATIVE HUMIDITY | Non-Condensing: 0% - 85% |
| SHOCK RESISTANCE | Operating: 10G Non-Operating: 15G |
| VIBRATION INCLUDED | Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz |
| COMPLIANCE | DIN Rail Mount (Optional Panel and Shelf Mount Brackets Available) |
| WARRANTY | 1x Standard CR3032 Lithium Battery |
| TECHNICAL SUPPORT & MAINTENANCE | 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. |

| | | |
|-----------------------------|--------------------------------|--|
| OPTIONAL ACCESSORIES | 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 (Not Rugged) |
| | PWR-24V-BRK-40W-3PIN | 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

| | |
|--------------------------|-------------------|
| HEIGHT | 7.073" (179.7mm) |
| WIDTH | 3.563" (90.5mm) |
| DEPTH | 5.530" (140.5mm) |
| WEIGHT | 2.1 lbs. (1.27kg) |
| POWER CONSUMPTION | 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 |
| <i>Each ICS360.Defender Product must be quoted with Optional Annual Technical Support & Maintenance and renewed annually</i> | | | |
| ICSDEF-MI91XDC1-SNT | <i>(See License Matrix, Page 3)</i> | SIMPLE-NAT | TS&M-MI91XDC1-SNT |
| ICSDEF-MI91XDC1-NAT | <i>(See License Matrix, Page 3)</i> | NAT | TS&M-MI91XDC1-NAT |
| ICSDEF-MI91XDC1-VPN | <i>(See License Matrix, Page 3)</i> | VPN | TS&M-MI91XDC1-VPN |
| ICSDEF-MI91XDC1-LIT | <i>(See License Matrix, Page 3)</i> | LITE | TS&M-MI91XDC1-LIT |
| ICSDEF-MI91XDC1-DLT | <i>(See License Matrix, Page 3)</i> | LITE/DPI | TS&M-MI91XDC1-DLT |
| ICSDEF-MI91XDC1-PRO | <i>(See License Matrix, Page 3)</i> | PRO | TS&M-MI91XDC1-PRO |

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





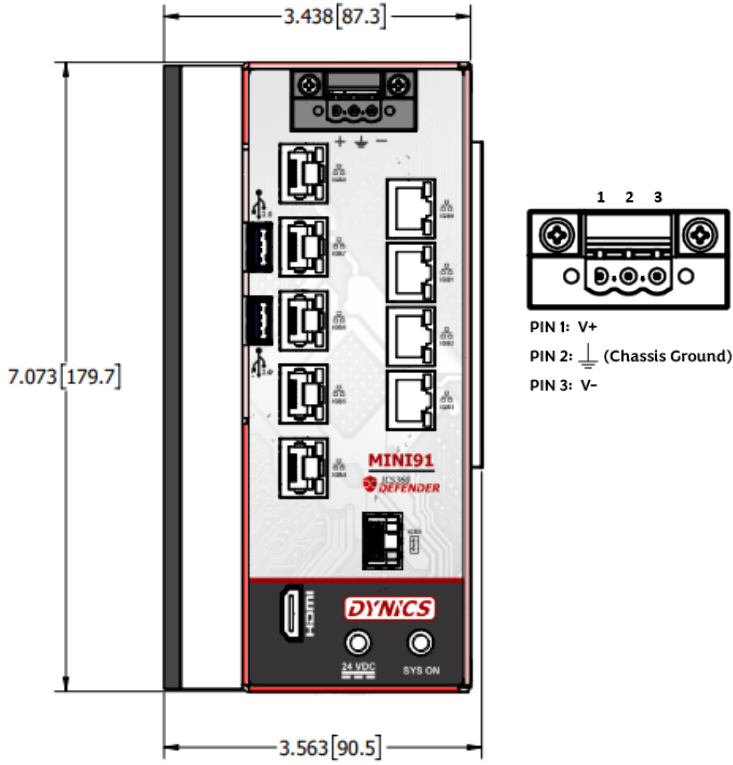
ICS360.DEFENDER VERSIONS & FEATURE SELECTION

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

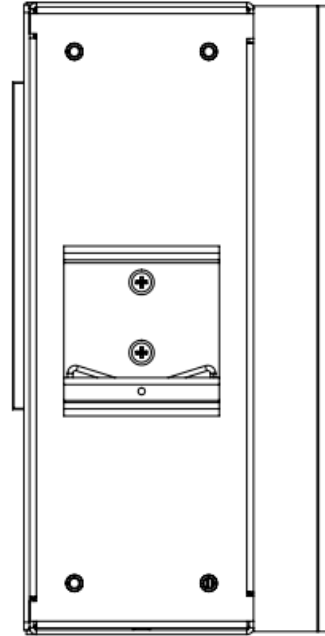
MECHANICAL DRAWINGS



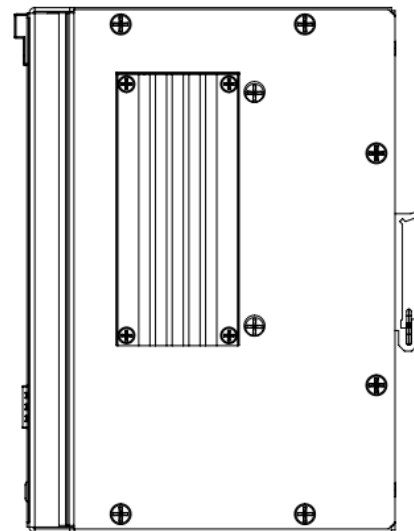
FRONT VIEW
24VDC Power Entry



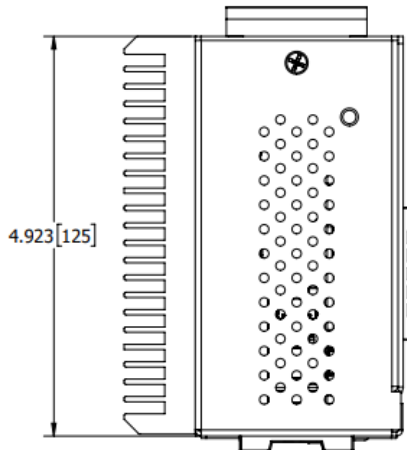
BACK VIEW



SIDE VIEW



TOP 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.