Intelligent IT/OT
Solutions

AXIOMTEK
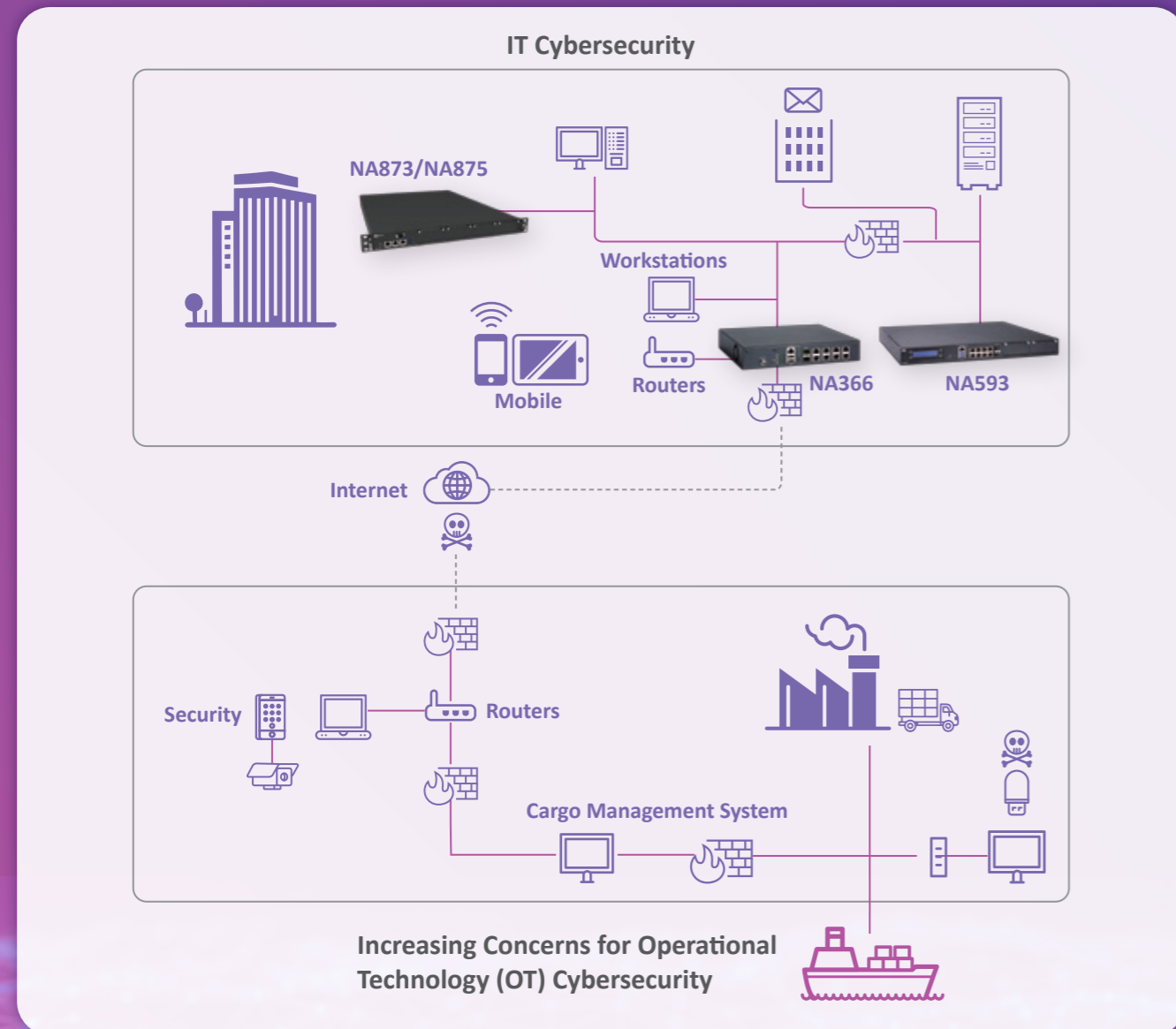
www.axiomtek.com

Axiomtek's Complete Network Security Solutions for Industry 4.0

The integration of IT and OT is essential for Industry 4.0, driven by IoT, AI, machine learning, and 5G advancements. As businesses shift to the cloud and deploy IoT devices, new vulnerabilities arise. Axiomtek addresses these challenges with a range of network appliances, enabling businesses to thrive in an increasingly interconnected world. Their customizable x86 appliances, with integrated cybersecurity features, ensure compliance with industry standards and meet unique operational needs. Axiomtek's innovative product lineup tailored for modern industrial environments enable a more connected and intelligent industrial landscape.

IT Cybersecurity

NA873/NA875

Workstations

Mobile

Routers NA366 NA593

Internet

Security Routers

Cargo Management System

Increasing Concerns for Operational Technology (OT) Cybersecurity

About Axiomtek

For over 30 years, Axiomtek has provided OEMs, ODMs, and IT infrastructure with a range of network security solutions. Our off-the-shelf products include 1U/2U rackmount platforms, desktop appliances, cybersecurity gateways, and edge IIoT gateways, all designed for quick configuration and deployment. These solutions offer a competitive edge in areas such as firewall security, VPNs, intrusion detection/prevention, antivirus, anti-spam, and network access control (NAC).

Design & Manufacturing Services (DMS)

Axiomtek delivers high-quality, fast DMS with extensive experience, capabilities, and R&D resources to ensure the success of every project. As a versatile turnkey manufacturer, we transform concepts into real network solutions. Our DMS also supports customization, from custom bezels and logos to designing and manufacturing new CPU boards and systems based on specific needs.

Design-In Focus and Coverage

Save Notable Cost
System Integration
Design Capability
Peripheral Integration
Chassis Design
System Assembly

Speed up Time to Market
Validation
Signal Integrity
Reliability Test
Regulatory Pre-scan

Reduce Design Effort
Design & Support
ID Concept Design
Electronic Circuit Design
Mechanical Design
System Integration

Shorten Development Cycle
Technology
BIOS / UEFI
Firmware
OS installation

Truly Secure, Trustworthy Network:
The Advanced Network Solutions

While IoT optimizes business operations, the rise in connected devices increases data security risks. With increasingly complex networks, cybersecurity and data protection are more crucial than ever. Axiomtek is committed to enabling a secure industrial IoT future with its innovative solutions that connect the edge to the cloud.

Low Latency

High Computing

High Bandwidth

NIC Modules

IP Security

Rackmount Network Appliances

Industrial Cybersecurity:
Safeguarding Critical Infrastructure

As industries embrace digital transformation, the convergence of IT and OT introduces new cybersecurity challenges. Industrial cybersecurity focuses on protecting critical infrastructure, such as power grids, manufacturing plants, and transportation systems, from cyber threats.

Industrial IoT Gateway

Comprehensive Threat Prevention

Data Integrity & Privacy

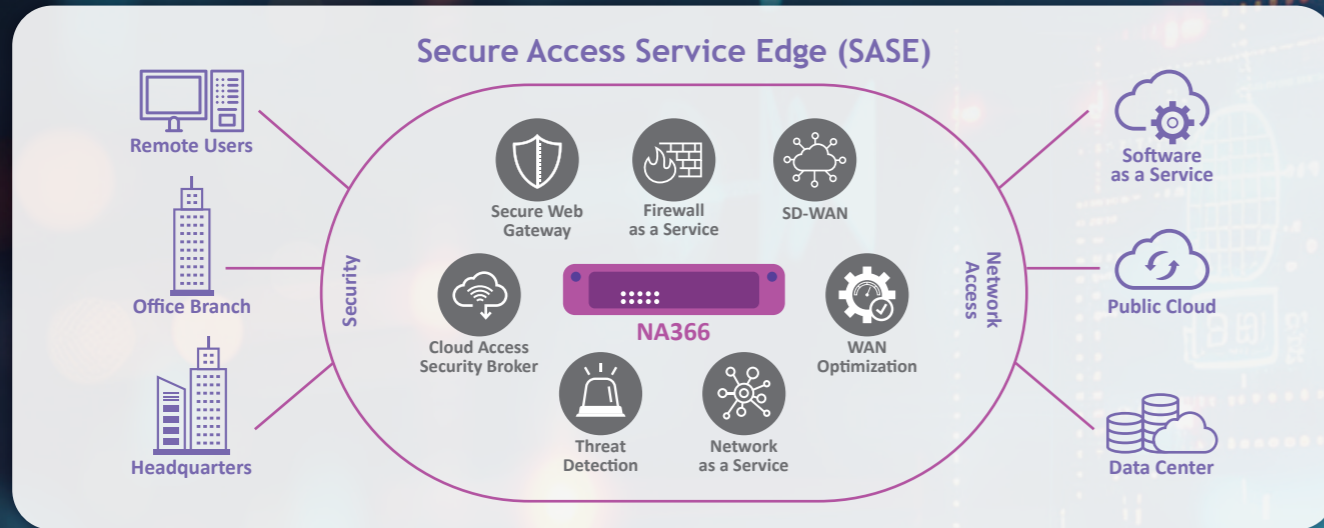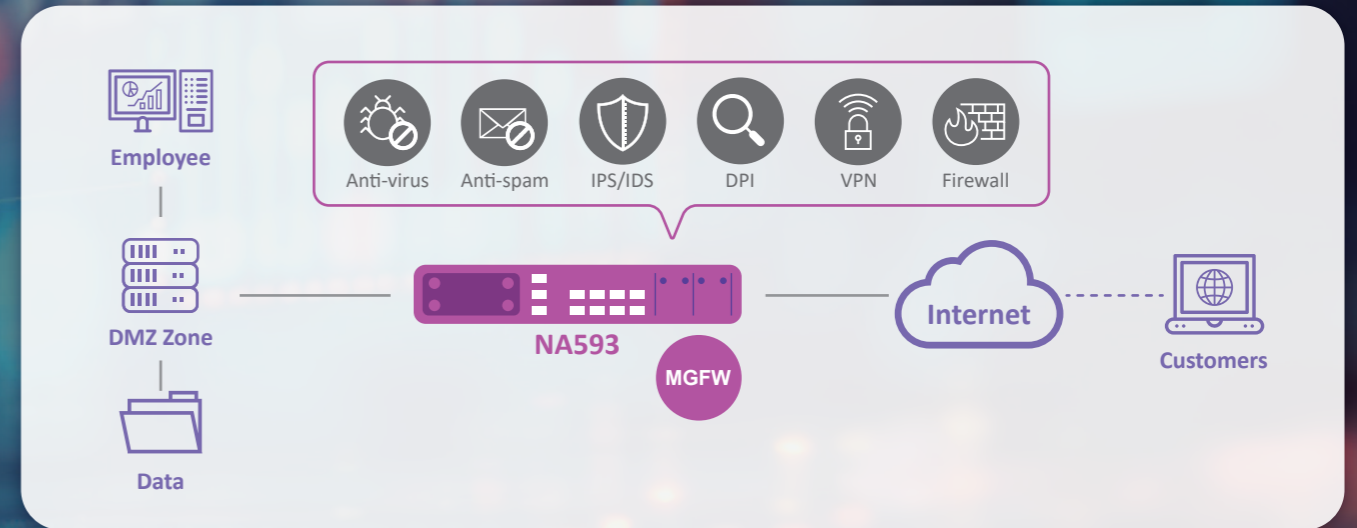**Compliance with Regulations**

Enhanced Network Visibility & Control

DIN-Rail Cybersecurity Gateway

Secure Access Simplified
The Power of Secure Access Service Edge (SASE)

Secure Access Service Edge (SASE)

Remote Users

Office Branch

Headquarters

Security

Secure Web Gateway

Firewall as a Service

SD-WAN

Cloud Access Security Broker

NA366

WAN Optimization

Threat Detection

Network as a Service

Network Access

Software as a Service

Public Cloud

Data Center

NA350C **NEW**
1U Desktop Network Appliance Platform
- Intel Atom® x6425E processor
- 2 DDR4-3200 SO-DIMM, up to 32GB
- Two 1G SFP and 2 RJ-45 GbE and three RJ-45 2.5G
- M.2 Key B for 5G and
- PCIe Mini Card slot for LTE with two SIM sockets
- M.2 Key E and PCIe Mini Card slot for Wi-Fi

NA366 **NEW**
1U Desktop Network Appliance Platform
- Intel Atom® x7000C processor
- DDR5-4800 SO-DIMM, up to 16GB
- Two 10G SFP+ and 8 RJ-45 GbE or 1G SFP
- M.2 Key M 2280 and SATA 3.0 for storage
- 2 expansion slots for Wi-Fi and 5G/LTE

NA363R
1U Rackmount Network Appliance Platform
- Intel Atom® processor C3558/C3758
- 4 DDR4 R-DIMM/U-DIMM, up to 128GB
- 6 RJ-45 GbE and 1 expandable LAN module

NA362R
1U Rackmount Network Appliance Platform
- Intel Atom® processor C3558/C3758
- 4 DDR4 R-DIMM/U-DIMM, up to 128GB
- 6 RJ-45 GbE and four 10GbE SFP+ by SKU

NA721
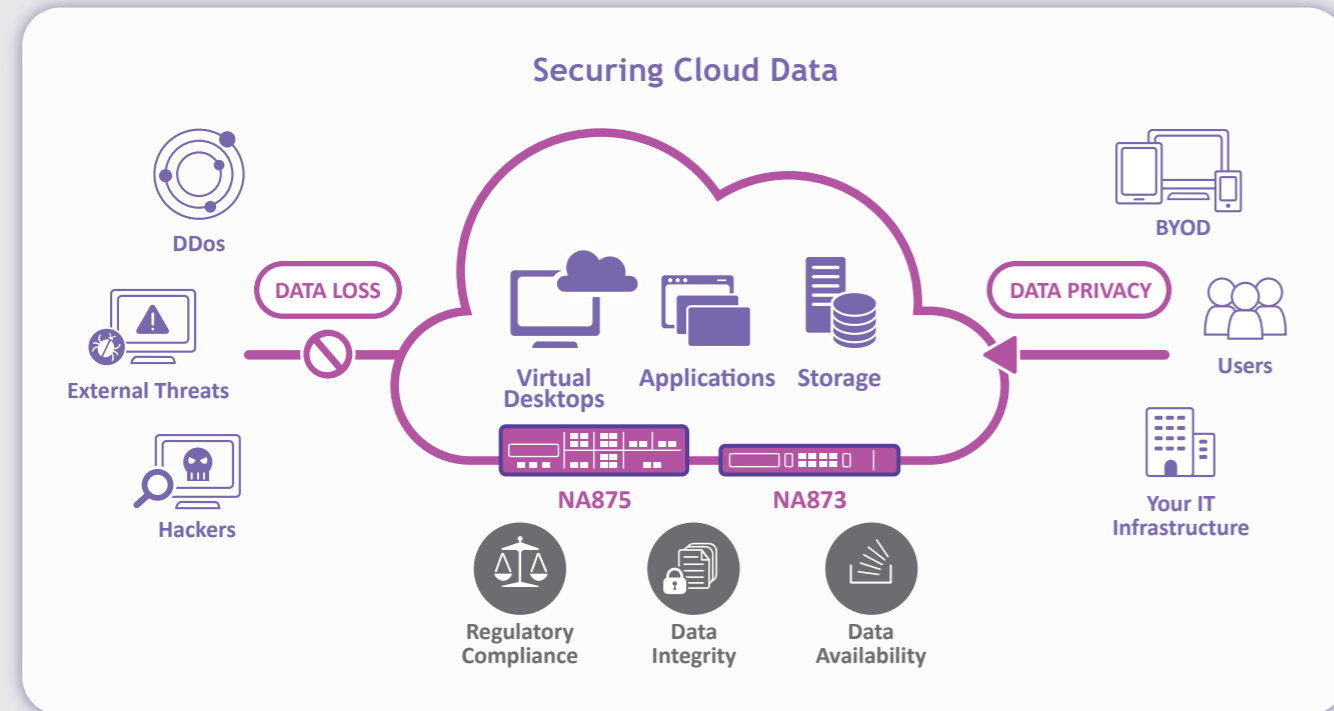**1U Rackmount Network Appliance Platform**
- Intel® Xeon® processor D-1700 family
- 6 DDR4-2933 R-DIMM/U-DIMM, up to 384GB
- Four 10GbE SFP+ and 8 RJ-45 GbE LAN onboard
- 2 expandable LAN modules supporting 1GbE/10GbE/25GbE/40GbE/Fiber/Copper/Bypass (optional)

Beyond Traditional Security
Next-Generation Firewalls (NGFW)

Employee

DMZ Zone

Data

Anti-virus

Anti-spam

IPS/IDS

DPI

VPN

Firewall

NA593

MGFW

Internet

Customers

NA347
Fanless Ultra Compact Network Appliance
- Intel® Celeron® processor N3350
- DDR3L-1866 SO-DIMM, up to 8GB
- 3 RJ-45 GbE
- PCIe Mini Card slot for Wi-Fi/LTE
- M.2 Key B 2242 SATA SSD

NA346B **NEW**
Fanless Ultra Compact Network Appliance
- Intel® Celeron® processor N3350
- DDR3L-1866 SO-DIMM, up to 8GB
- 4 RJ-45 GbE
- 1 mSATA and onboard 8GB eMMC

NA348 **NEW**
1U Desktop Network Appliance Platform
- Intel Atom® x7000E processor
- DDR5-4800 SO-DIMM, up to 16GB
- 4 RJ-45 GbE and two 1G SFP or 2 RJ-45 GbE by SKU
- 2 expansion slots for Wi-Fi and 5G/LTE module

NA345R
1U Rackmount Network Appliance Platform
- Intel® Celeron® N3350/J3455 processor
- DDR3L-1866 SO-DIMM, up to 8GB memory
- 6 RJ-45 GbE
- One 2.5" HDD/SSD for storage

NA593
1U Rackmount Network Appliance
- LGA1700 14th/13th gen Intel® Core™ processor
- Intel® R680E chipset
- 4 DDR5-4800 ECC/non-ECC UDIMM, up to 128GB
- 8 GbE RJ-45 and 2 SFP (Intel® I350) ports, with an additional 2 optional NIC module
- 2 pairs of LAN Bypass

Safeguarding Information in a Connected World
Cloud and Data Security

Securing Cloud Data

DDos

External Threats

Hackers

DATA LOSS

Virtual Desktops

Applications

Storage

NA875

NA873

DATA PRIVACY

BYOD

Users

Your IT Infrastructure

Regulatory Compliance

Data Integrity

Data Availability

NA873 NEW
High Computing 1U Rackmount Network Appliance Platform

· 5th gen Intel® Xeon® Scalable processors
· DDR5-5400 R-DIMM, up to 512GB
· 4 expandable LAN modules supporting
  1GbE/10GbE/25GbE/40GbE/100GbE/200GbE
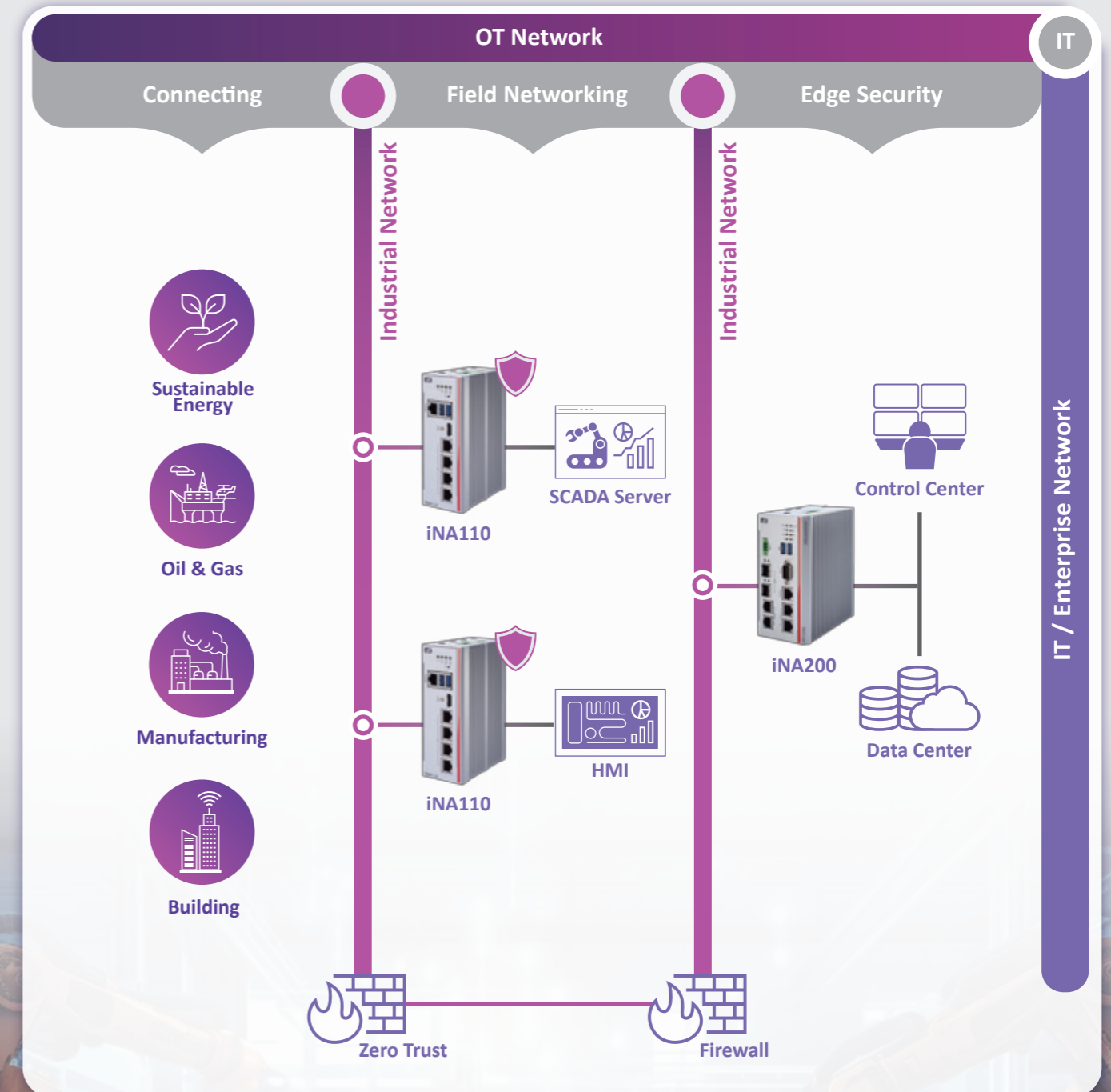· Supports IPMI and TPM 2.0

NA875 NEW
High Computing 2U Rackmount Network Appliance Platform

Coming Soon

· Dual 6th gen Intel® Xeon® scalable processors, up to 350W
· 16 DDR5 R-DIMM, up to 1024GB
· 8 expansion slots for NIC module
· 1300W redundant PSU

Accelerating Digital Transformation in the Smart IoT Era
Industrial Control & Automation

OT Network

IT

Connecting

Field Networking

Edge Security

Industrial Network

Industrial Network

IT / Enterprise Network

Sustainable Energy

Oil & Gas

Manufacturing

Building

iNA110

SCADA Server

iNA110

HMI

iNA200

Control Center

Data Center

Zero Trust

Firewall

Next-gen OT Cybersecurity Solutions

iNA200
DIN-Rail Industrial Network Appliance
· Intel Atom® x6212RE/x6414RE processor
· 2 GbE, two 2.5GbE (with 2-pair LAN Bypass), and 2 SFP
· 9 to 36 VDC with dual power inputs
· M.2 Key B 3042/3052 for 5G connectivity

iNA110
DIN-Rail Cybersecurity Edge Gateway
· Intel Atom® x5-E3930/E3940 processor
· 4 RJ-45 GbE with 1 pair LAN Bypass
· PCIe Mini Card slot for wireless module

iNA300
DIN-Rail Network Appliance for Power Utility
· Intel Atom® x7433RE processor
· Eight 2.5G (with 2-pair LAN Bypass) and 2 SFP+ LAN
· 12 to 48 VDC with dual power inputs
· Certified with IEC 61850-3 and IEEE 1613 standards

Intelligent IIoT Integration Gateways

ICO110
Ultra-Compact DIN-Rail Fanless Embedded System
· Intel® Celeron® processor N3350, reliable F1 stepping version CPU
· COM, 4 USB, and 2 GbE LAN
· OVP, UVP, OCP, and RPP power protection design
· eAPI for intelligent remote monitoring software integration

ICO330 (Simplified/Advanced)
Cost-Effective DIN-Rail Fanless Embedded System
· Intel Atom® x6212RE or x6414RE processor
· 6 isolated COM, isolated DIO (8-in/8-out), and three 2.5 GbE LAN
· OVP, UVP, OCP, and RPP power protection design
· Supports TPM 2.0
· Supports cold boot at -40°C

ICO120-E3350/-F
Highly Cost-Effective DIN-Rail Fanless Embedded System
· Intel® Celeron® processor N3350, featuring the reliable F1 stepping version CPU
· COM/CAN/DIO, 2 USB, and 2 GbE LAN
· OVP, UVP, OCP, and RPP power protection design
· eAPI for intelligent remote monitoring software integration

ICO520 (Simplified/Advanced)
High-Performance DIN-Rail Fanless Embedded System
· 12th gen Intel® Core™ i7/i5/i3 or Celeron® processor
· 4 isolated COM and 2 isolated DIO (8-in/8-out) (Advanced model)
· Four 2.5 GbE
· OVP, UVP, OCP, and RPP power protection design
· Supports TPM 2.0
· Supports cold boot at -40°C

Selection Guide
SMB Network Appliances

Features \ Models		NA873	NA861	NA721
Form Factor		1U, 19" rackmount	1U, 19" rackmount	1U, 19" rackmount
Platform	Processor	5th gen Intel® Xeon® scalable processors (Emerald Rapids)	LGA3647 Intel® Xeon® scalable processors	Intel® Xeon® processor D-1700 family (Ice Lake D)
	Chipset	Intel® C741	Intel® C621	SoC integrated
	Acceleration Technology	Intel® QAT	N/A	N/A
Memory	Technology	DDR5-5400	DDR4-2400	DDR4-2933
	Capacity (max.)	512GB	192GB	384GB
	Socket	8 x 288-pin R-DIMM	6 x 288-pin R-DIMM	6 x 288-pin R-DIMM/U-DIMM
	ECC Support	Non-ECC/ECC	Non-ECC/ECC	Non-ECC/ECC
Network Interface	Ethernet (default)	1 x RJ-45 GbE	2 x RJ-45 GbE	8 x RJ-45 GbE 4 x 10GbE SFP+
	Ethernet (max.)	33 x RJ-45 GbE	34 x RJ-45 GbE	28 x RJ-45 GbE
	LAN Bypass	N/A	Depends on LAN modules	2 pairs
	Controllers	Intel® I210	Intel® I210	Intel® I350
	LAN Module	4 x NIC slot (optional)	4 x NIC slot	2 x NIC slot
Storage	HDD/SSD	2 x 2.5" SATA HDD	2 x 2.5" SATA HDD	2 x 2.5" SATA HDD/SSD
	M.2 SSD	2 x M.2 Key M 2280	N/A	1 x M.2 Key M 2280
	mSATA/CF/Cfast	N/A	1 x Full-Size mSATA	N/A
I/O	Button	N/A	N/A	Yes
	LED Indicator	Storage and BMC	Power, HDD, GPIO programmable, and Link/Act with transfer rate	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate
	USB	2 x USB 2.0	2 x USB 2.0	2 x USB 3.0
	Console	1 x Console (RJ-type)	1 x Console (RJ-type)	1 x Console (RJ-type/USB type-C)
	LCM Module	Yes	Yes	Yes
	Display	1 x VGA	1 x VGA	1 x VGA (optional)
TPM		TPM 2.0	TPM 2.0	TPM 2.0
IPMI		Yes	Optional	Optional
Watchdog		255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass
Power Supply	Power Type	Redundant	Redundant	ATX, redundant
	Watts	800W	400W	300W, 400W
Expansion Interface		N/A	N/A	N/A
Operating Temperature		0°C to +40°C (+32°F to +104°F)	0°C to +40°C (+32°F to +104°F)	0°C to +45°C (+32°F to +113°F)
Dimensions (W x H x D)		44 x 430 x 600 mm (1.73" x 16.92" x 23.6")	44 x 430 x 561 mm (1.73" x 16.92" x 22")	44 x 430 mm x 450 mm (1.73" x 16.93" x 17.7")
Weight (net/gross)		8 kg/12 kg	8 kg/12 kg	8.5 kg/9.8 kg
OS Support		Linux	Linux	Linux
Certifications		CE, FCC Class A	CE, FCC Class A	CE, FCC Class A

Features \ Models		NA593	NA592	NA590
Form Factor		1U, 19" rackmount	1U, 19" rackmount	1U, 19" rackmount
Platform	Processor	LGA1700 14th/13th gen Intel® Core™ processor (Raptor Lake)	LGA1200 10th gen Intel® Core™ or Xeon® W-1200 (Comet Lake)	LGA1151 9th/8th Intel® Core™ or Xeon® E-2200 (Coffee Lake/Coffee Lake refresh)
	Chipset	Intel® R680E	Intel® W480E	Intel® C246/H310
	Acceleration Technology	N/A	N/A	N/A
Memory	Technology	DDR5-4800	DDR4-2933	DDR4-2666
	Capacity (max.)	128GB	128GB	64GB (H310) 128GB (C246)
	Socket	4 x 288-pin U-DIMM	4 x 288-pin U-DIMM	2 x 288-pin U-DIMM (H310) 4 x 288-pin U-DIMM (C246)
	ECC Support	Non-ECC/ECC	Non-ECC/ECC	Non-ECC/ECC
Network Interface	Ethernet (default)	8 x RJ-45 GbE 2 x SFP	8 x RJ-45 GbE 2 x SFP	6 x RJ-45 GbE (H310) 8 x RJ-45 GbE (C246)
	Ethernet (max.)	26 x RJ-45 GbE	26 x RJ-45 GbE	14 x RJ-45 GbE (H310) 26 x RJ-45 GbE (C246)
	LAN Bypass	2 pairs	2 pairs	Depends on LAN modules
	Controllers	Intel® I350	Intel® I350	Intel® I210
	LAN Module	2 x NIC slot (optional)	2 x NIC slot	2 x NIC slot (2 slots available for C246)
Storage	HDD/SSD	2 x 2.5" SATA HDD/SSD	2 x 2.5" HDD	2 x 2.5" HDD 1 x 3.5" SATA HDD (optional with 300W single power supply)
	M.2 SSD	1 x M.2 Key M 2280	1 x M.2 Key B 2242	1 x M.2 Key M 2280 (C246)
	mSATA/CF/Cfast	N/A	N/A	1 x Full-Size mSATA
I/O	Button	Yes	Yes	N/A
	LED Indicator	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate	Power, HDD, GPIO programmable, and LAN Bypass
	USB	2 x USB 3.0	2 x USB 3.0	2 x USB 3.0
	Console	1 x Console (RJ-type/USB Type-C)	1 x Console (RJ-type)	1 x Console (RJ-type)
	LCM Module	Yes	Yes	Yes
	Display	1 x HDMI 1 x VGA (optional)	1 x VGA (optional)	1 x VGA (optional)
TPM		TPM 2.0	TPM 2.0	TPM 2.0
IPMI		Optional	Optional	Optional
Watchdog		255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass
Power Supply	Power Type	Single, redundant	Single or redundant (optional)	Single or redundant (optional)
	Watts	400W, 400W	300W or 400W (optional)	300W or 400W (optional)
Expansion Interface		1 x M.2 Key M 1 x M.2 Key B 3052 with SIM card 1 x PCIe Mini Card slot with SIM card 1 x PCIe x8 slot (optional)	1 x M.2 Key E 2230 1 x PCIe Mini Card slot 1 x Nano SIM socket 1 x M.2 Key M 2242/2280 (optional) 1 x PCIe x8 (optional)	1 x PCIe x8 (optional for C246)
Operating Temperature		0°C to +45°C (+32°F to +113°F)	0°C to +40°C (+32°F to +104°F)	0°C to +45°C (+32°F to +113°F)
Dimensions (W x H x D)		44 x 430 mm x 450 mm (1.73" x 16.93" x 17.7")	44 x 430 x 450 mm (1.73" x 16.93" x 17.7")	44 x 430 x 450 mm (1.73" x 16.93" x 17.7")
Weight (net/gross)		6 kg/10 kg	8.32 kg/12.76 kg	6 kg/10 kg
OS Support		Linux, Windows	Linux	Linux
Certifications		CE, FCC Class A	CE, FCC Class A	CE, FCC Class A

Selection Guide
SMB Network Appliances

NEW — Coming Soon

Features \ Models		NA875	NA870	NA860
Form Factor		2U, 19" rackmount	2U, 19" rackmount	2U, 19" rackmount
Platform	Processor	Dual 6th gen Intel® Xeon® scalable processors (Granite Rapids-SP)	Dual LGA4189 3rd gen Intel® Xeon® scalable processors (Ice Lake-SP)	Dual LGA3647 Intel® Xeon® scalable processors (Cascade Lake/Skylake)
	Chipset	N/A	Intel® C621A/C627A	Intel® C621
	Acceleration Technology	Intel® QAT	Intel® QAT (C627A)	N/A
Memory	Technology	DDR5-6400	DDR4-3200	DDR4-2400
	Capacity (max.)	1024GB	1280GB	384GB
	Socket	16 x 288-pin R-DIMM	20 x 288-pin R-DIMM	12 x 288-pin R-DIMM
	ECC Support	Non-ECC/ECC	Non-ECC/ECC	Non-ECC/ECC
Network Interface	Ethernet (default)	1 x RJ-45 GbE	2 x RJ-45 GbE	2 x RJ-45 GbE
	Ethernet (max.)	65 x RJ-45 GbE	66 x RJ-45 GbE	66 x RJ-45 GbE
	LAN Bypass	Depends on LAN modules	Depends on LAN modules	Depends on LAN modules
	Controllers	NIC module	Intel® I210	Intel® I210
	LAN Module	8 x NIC slot (dual CPUs) 4 x NIC slot (single CPU)	8 x NIC slot (dual CPUs) 4 x NIC slot (single CPU)	8 x NIC slot (dual CPUs) 4 x NIC slot (single CPU)
Storage	HDD/SSD	2 x 2.5" hot swappable U.3	2 x 2.5" hot swappable SATA HDD	2 x 2.5" hot swappable SATA HDD
	M.2 SSD	4 x M.2 Key M 22110/2280	1 x M.2 Key M 2242/2280 (PCIe) 1 x M.2 Key M 2242/2280 (PCIe/SATA)	N/A
	mSATA/CF/Cfast	N/A	N/A	1 x Full-Size mSATA
I/O	Button	Yes	Yes	N/A
	LED Indicator	Power, HDD, GPIO programmable, and Link/Act with transfer rate	Power, HDD, GPIO programmable, and Link/Act with transfer rate	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate
	USB	2 x USB 3.0	2 x USB 3.0	2 x USB 3.0
	Console	1 x Console (RJ-type)	1 x Console (RJ-type)	1 x Console (RJ-type)
	LCM Module	Yes	Yes	Yes
	Display	1 x VGA	1 x VGA	1 x VGA
TPM		TPM 2.0	TPM 2.0	TPM 2.0
IPMI		Yes	Optional	Optional
Watchdog		255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass
Power Supply	Power Type	Redundant	Redundant	Redundant
	Watts	1300W	1300W	800W
Expansion Interface		N/A	2 x PCIe x16 (optional, 1 slot for each CPU)	2 x PCIe x8 (optional)
Operating Temperature		0°C to +40°C (+32°F to +104°F)	0°C to +40°C (+32°F to +104°F) (C621A) 5°C to +40°C (+41°F to +104°F) (C627A)	0°C to +40°C (+32°F to +104°F)
Dimensions (W x H x D)		88 x 430 x 663 mm (3.46" x 16.93" x 26.10")	88 x 430 x 663 mm (3.46" x 16.93" x 26.10")	88 x 430 x 562 mm (3.46" x 16.92" x 22.12")
Weight (net/gross)		12 kg/20 kg	14 kg/20 kg	12 kg/20 kg
OS Support		Linux	Linux	Linux
Certifications		CE, FCC Class A	CE, FCC Class A	CE, FCC Class A

Selection Guide
SOHO Network Appliances

NEW

Features \ Models		NA346B	NA347	NA345
Form Factor		Desktop, fanless and ultra-compact	Desktop, fanless and ultra-compact	1U, desktop
Platform	Processor	Intel® Celeron® N3350	Intel® Celeron® N3350	Intel® Celeron® N3350/J3455
	Chipset	SoC integrated	SoC integrated	SoC integrated
Memory	Technology	DDR3L-1600	DDR3L-1600	DDR3L-1600
	Capacity (max.)	8GB	8GB	8GB
	Socket	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM
	ECC Support	Non-ECC	Non-ECC	Non-ECC
Network Interface	Ethernet	4 x RJ-45 GbE	3 x RJ-45 GbE	4 x RJ-45 GbE
	LAN Bypass	1 pair (optional)	1 pair (optional)	1 pair (optional)
	Controllers	Realtek RTL8111H	Intel® I210	Intel® I210
Storage		1 x Full-size mSATA (occupies 1 x PCIe Mini Card slot) 1 x eMMC 8G onboard	1 x M.2 Key B 2242	1 x 2.5" SATA3 HDD 1 x Full-size mSATA
I/O	Button	Reset button	Power switch with LED	Power switch and reset button
	LED Indicator	N/A	N/A	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate
	USB	2 x USB 3.0	2 x USB 3.0	2 x USB 3.0
	Console	1 x Console (RJ-type)	1 x Console (RJ-type)	1 x Console (RJ-type)
	Display	N/A	1 x HDMI	1 x HDMI (optional)
TPM		TPM 2.0	TPM 2.0 (optional)	TPM 1.2 (optional)
Watchdog		255 steps for system reset	255 steps for system reset	255 steps for system reset, 8 steps for LAN Bypass
Power Supply	Power Type	Adapter	Adapter	Adapter
	Watts	36W	36W	60W
	Connector	DC-Jack (screw type)	DC-Jack (screw type)	DC-Jack
Expansion Interface		1 x Full-size PCIe Mini Card slot	1 x Full-size PCIe Mini Card slot 1 x Nano SIM socket	1 x Half-size PCIe Mini Card slot 1 x Full-size PCIe Mini Card slot 1 x Standard SIM socket
Operating Temperature		0°C to +40°C (+32°F to +104°F)	0°C to +40°C (+32°F to +104°F)	0°C to +40°C (+32°F to +104°F)
Dimensions (W x H x D)		31 x 166 x 118.2 mm (1.22" x 6.54" x 4.65")	26 x 146 x 118.2 mm (1.24" x 5.57" x 4.65")	44 x 231.9 x 152 mm (1.73" x 9" x 5.98")
Weight (net/gross)		0.62 kg/1.3 kg	0.28 kg/0.79 kg	2.35 kg/2.61 kg
OS Support		Linux, Windows 10	Linux, Windows 10	Linux, Windows 10
Certifications		CE/FCC Class B	CE/FCC Class B	CE/FCC Class B

Selection Guide
SOHO Network Appliances

Features \ Models		NA345R	NA348	NA350C
Form Factor		1U, 19" rackmount	1U, desktop	1U, desktop
Platform	Processor	Intel® Celeron® N3350/J3455	Intel Atom® x7211E/x7425E	Intel Atom® x6425E
	Chipset	SoC integrated	SoC integrated	SoC integrated
Memory	Technology	DDR3L-1866	DDR5-4800	DDR4-3200
	Capacity (max.)	8GB	16GB	32GB
	Socket	1 x SO-DIMM	1 x 204-pin SO-DIMM	2 x 260-pin SO-DIMM
	ECC Support	Non-ECC	Non-ECC	Non-ECC
Network Interface	Ethernet	6 x RJ-45 GbE	6 x RJ-45 GbE or 5 x RJ-45 GbE + 1G SFP (optional)	2 x RJ-45 GbE 3 x RJ-45 2.5GbE 2 x SFP or RJ-45 GbE (optional)
	LAN Bypass	1 pair	2 pairs (optional)	1 pair
	Controllers	Intel® I211	Intel® I210	Intel® I350 MaxLinear GPY211
Storage		1 x 2.5" SATA3 HDD 1 x Full-size mSATA 1 x 3.5" SATA HDD (optional)	1 x 2.5" HDD 1 x M.2 Key M 2242/2280	1 x 2.5" HDD 1 x M.2 Key M 2242
I/O	Button	Power switch	Power switch and reset button	Power switch
	LED Indicator	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate	Power, HDD, LAN Bypass, and Link/Act with transfer rate	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate
	USB	2 x USB 3.0	1 x USB 3.0 1 x USB 2.0	2 x USB 2.0
	Console	1 x Console (RJ-type)	1 x Console (RJ-type)	1 x Console (RJ-type)
	Display	1 x HDMI 1 x VGA (optional)	1 x VGA (optional) 1 x HDMI (optional)	1 x HDMI
TPM		TPM 1.2 (optional)	TPM 2.0	TPM 2.0
Watchdog		255 steps for system reset, 7 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass
Power Supply	Power Type	Adapter	Adapter	Adapter
	Watts	60W	60W	60W
	Connector	DC-Jack	DC-Jack	DC-Jack (screw type)
Expansion Interface		N/A	1 x M.2 Key B 3052/3042 1 x Nano SIM socket	1 x M.2 Key B 3052/3042 with SIM socket 1 x M.2 Key E 2230 1 x Half-size PCIe Mini Card slot 1 x Full-size PCIe Mini Card slot with SIM socket 2 x Nano SIM socket
Chassis Material		Steel	Steel	Steel
Operating Temperature		0°C to +45°C (+32°F to +113°F)	0°C to +40°C (+32°F to +104°F)	0°C to +40°C (+32°F to +104°F)
Dimensions (W x H x D)		44 x 430 x 250 mm (1.73" x 16.93" x 9.84")	44 x 260 x 197 mm (1.73" x 10.24" x 7.76")	44 x 257 x 197 mm (1.73" x 10.12" x 7.76")
Weight (net/gross)		7 kg/8 kg	TBD	1.6 kg/2.45 kg
OS Support		Linux, Windows 10	Linux	Linux
Certifications		CE, FCC Class B	CE, FCC Class B	CE, FCC Class A

Features \ Models		NA366	NA363R	NA362R
Form Factor		1U, desktop	1U, 19" rackmount	1U, 19" rackmount
Platform	Processor	Intel Atom® x7203C/x7405C/x7809C	Intel Atom® C3558/C3758	Intel Atom® C3558/C3758
	Chipset	SoC integrated	SoC integrated	SoC integrated
Memory	Technology	DDR5-4800	DDR4-2400	DDR4-2400
	Capacity (max.)	16GB	128GB (32GB per slot)	128GB (32GB per slot)
	Socket	1 x SO-DIMM	4 x 288-pin R-DIMM/U-DIMM	4 x 288-pin R-DIMM/U-DIMM
	ECC Support	Non-ECC	Non-ECC/ECC	Non-ECC/ECC
Network Interface	Ethernet	2 x 10G SFP+ 4 x RJ-45 GbE SFP or 4 x RJ-45 GbE (optional)	6 x RJ-45 GbE	6 x RJ-45 GbE 2 x SFP+ (C3558) 4 x SFP+ (C3758)
	LAN Bypass	1 pair	1 pair or 2 pairs (optional)	1 pair
	Controllers	Intel® I350 Intel® X710	Intel® I210 Marvell 88E1543 PHY	Intel® I210
Storage		1 x 2.5" HDD 1 x M.2 Key M 2242/2280	2 x 2.5" HDD 1 x 3.5" HDD (optional) 1 x Full-Size mSATA	2 x 2.5" HDD 1 x 3.5" HDD (optional) 1 x Full-Size mSATA
I/O	Button	Power switch	Power switch	Power switch
	LED Indicator	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate	Power, HDD, GPIO programmable, LAN Bypass, and Link/Act with transfer rate
	USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
	Console	1 x Console (RJ-type) 1 x Console (Type-C)	1 x Console (RJ-type)	1 x Console (RJ-type)
	Display	N/A	1 x VGA (optional)	1 x VGA (optional)
TPM		TPM 2.0	TPM 1.2 or TPM 2.0 (optional)	TPM 1.2 or TPM 2.0 (optional)
Watchdog		255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass	255 steps for system reset, 8 steps for LAN Bypass
Power Supply	Power Type	Adapter	Open frame	Open frame
	Watts	84W	120W	120W
	Connector	DC-Jack	Inlet C14	Inlet C14
Expansion Interface		1 x M.2 Key M 2242/2280 1 x M.2 Key B 3052/3042 with SIM socket 1 x Full-size PCIe Mini Card slot 1 x Nano SIM socket	1 x Full-size PCIe Mini Card slot	1 x Full-size PCIe Mini Card slot
Chassis Material		Steel	Steel	Steel
Operating Temperature		0°C to +40°C (+32°F to +104°F)	0°C to +45°C (+32°F to +113°F)	0°C to +45°C (+32°F to +113°F)
Dimensions (W x H x D)		44 x 257 x 197 mm (1.73" x 10.12" x 7.76")	44 x 430 x 250 mm (1.73" x 16.93" x 9.84")	44 x 430 x 250 mm (1.73" x 16.93" x 9.84")
Weight (net/gross)		TBD	3.5 kg/4.5 kg	3.5 kg/4.5 kg
OS Support		Linux	Linux	Linux
Certifications		CE, FCC Class B	CE, FCC Class A	CE, FCC Class B

LAN Modules

Coming Soon

Module		MIO135	AX93316-8GIL	AX93316-8GI	AX93322-8MIL
Ethernet Port		1G (SFP)	1G (SFP)	1G (SFP)	1G (SFP)
Number of Port	Copper	0	8	8	4
	Fiber	4	0	0	4
LAN Bypass (Latch Relay)		2	4	0	2
LAN Controller		Intel® I350-AM4	Intel® I350-AM4	Intel® I350-AM4	Intel® I350-AM4
Interface		PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8

Coming Soon

Module		AX93322-8FI	AX93336-4GIL	AX93336-4FI	MIO710
Ethernet Port		1G (SFP)	1G (SFP)	1G (SFP)	10G (SFP+)
Number of Port	Copper	0	4	0	0
	Fiber	8	0	4	2
LAN Bypass (Latch Relay)		0	2	0	0
LAN Controller		Intel® I350-AM4	Intel® I350-AM4	Intel® I350-AM4	Intel® X710
Interface		PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 3.0 x8

Module		AX93327-4FIL	AX93327-2FIL	AX93327-4FI	AX93332-25FI
Ethernet Port		10G (SFP+)	10G (SFP+)	10G (SFP+)	25G (SFP28)
Number of Port	Copper	0	0	0	0
	Fiber	4	2	4	2
LAN Bypass (Latch Relay)		2	1	0	0
LAN Controller		Intel® XL710-BM1	Intel® X710	Intel® XL710-BM1	Intel® XXV710"
Interface		PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8

Coming Soon

Module		AX93331-2QFI	AX93357	AX93358	MIO730
Ethernet Port		40G (QSFP)	100G (QSFP28)	100G (QSFP28)	200G (QSFP28)
Number of Port	Copper	0	0	0	0
	Fiber	2	2	2	2
LAN Bypass (Latch Relay)		0	0	0	0
LAN Controller		Intel® XL710	Intel® E810-CAM2	Intel® E810-CAM2	Intel® E830-CCAM1
Interface		PCIe 3.0 x8	PCIe 4.0 x16	2 x PCIe 4.0 x8	PCIe 5.0 x8

Fanless DIN-rail Cybersecurity Gateway

NEW

Features \ Models		iNA300	iNA200	iNA110
Platform	Processor	Intel Atom® x7433RE (Amston Lake)	Intel Atom® x6212RE/x6414RE (Elkhart Lake)	Intel Atom® x5-E3930/E3940 (Apollo Lake)
	Chipset	SoC integrated	SoC integrated	SoC integrated
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory		DDR5-4800 SO-DIMM, up to 16GB (in-band ECC)	DDR4-3200 SO-DIMM, up to 32GB	DDR3L-1600 SO-DIMM, up to 8GB non-ECC
Network Interface		8 x RJ-45 2.5GbE (Intel® I226-IT) with 2 pairs of LAN Bypass 2 x 10G SFP+ (BCM57412)	2 x GbE (Marvell 88E1512) with LAN Bypass 2 x 2.5GbE (Intel® I225-IT) with LAN Bypass and TSN function 2 x 1G SFP (Intel® I210-IS)	4 x RJ-45 GbE (Intel® I210-IT) with 1 pair of LAN Bypass
Storage		1 x M.2 Key M 2280 (NVMe with PCIe x2)	1 x 2.5"" SATA 3.0 SSD 1 x eMMC onboard (optional)	1 x 2.5" SATA 3.0 SSD 1 x Half-size mSATA (occupies 1 x PCIe Mini Card slot)
I/O	Serial	N/A	1 x RS-232/422/485 (D89) 1 x RS-485 (terminal block)	1 x RS-232/422/485 (D89)
	USB	2 x USB 3.2	2 x USB 3.1	2 x USB 3.0
	Management	1 x Console port (RJ-45)	1 x Console port (RJ-45)	1 x Console port (RJ-45)
	Display	1 x HDMI	1 x HDMI	1 x HDMI
TPM		TPM 2.0	TPM 2.0	TPM 2.0
Expansion Interface		1 x Full-size PCIe Mini Card slot (PCIe/USB 2.0)	1 x M.2 Key B 3042/3052 slot (PCIe/USB) 1 x Full-size PCIe Mini Card slot (SATA/USB)	1 x Half-size PCIe Mini Card slot (SATA/USB) 1 x Full-size PCIe Mini Card slot (USB signal with SIM socket)
Power Input		12 to 48 VDC (terminal block)	9 to 36 VDC (terminal block), typically 12/24 VDC	9 to 36 VDC (terminal block), typically 12/24 VDC
Operating Temperature		-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
Dimensions (W x D x H)		70.5 x 150 x 165 mm (2.78" x 5.91" x 6.5")	66 x 127 x 150 mm (2.6" x 5" x 5.9")	51 x 110 x 155 mm (2.01" x 4.33" x 6.10")
Weight (net/gross)		TBD	1.5 kg (3.3 lb)/1.8 kg (3.97 lb)	0.97 kg (2.13lb)/1.18 kg (2.6 lb)
OS Support		Linux, Windows 11	Linux, Windows 10	Linux, Windows 10
Certifications		CE (Class A), FCC (Class A), UKCA IEC 61850-3, IEEE 1613	CE (Class A), FCC (Class A)	CE (Class A), FCC (Class A)

X86-based DIN-rail Industrial IoT Gateway

NEW

Features \ Models		ICO330	ICO120-E3350	ICO300-83M
Platform	Processor	Intel Atom® x6212RE (1.2GHz/2C/6W) or Intel Atom® x6414RE (1.5GHz/4C/9W)	Intel® Celeron® N3350 (1.1GHz/2C/6W)	Intel Atom® x5-E3930 (1.3GHz/2C/6.5W) or Intel Atom® x5-E3940 (1.6GHz/4C/9.5W)
	Chipset	SoC integrated	SoC integrated	SoC integrated
System Memory		DDR4-3200 SO-DIMM, up to 32GB	DDR3L-1600 SO-DIMM, up to 8GB	DDR3L-1600 SO-DIMM, up to 8GB
TPM		TPM 2.0	TPM 2.0	TPM 2.0
Serial		Simplified model: 2 x Isolated RS-232/422/485 (terminal block) Advanced model: 6 x Isolated RS-232/422/485 (terminal block)	1 x RS-232/422/485 (DB9)	2 x Isolated RS-232/422/485 in Phoenix-type connectors 4 x 4-wire isolated RS-232/422/485 (Advanced model)
CANbus		N/A	1 x CAN 2.0 A/B, 1 Mbps bitrate with SocketCAN (DB9)	N/A
Display		1 x HDMI (up to 1920 x 1080 @60Hz)	1 x HDMI (up to 1920 x 1080 @60Hz)	1 x HDMI (up to 1920 x 1080 @60Hz)
Ethernet		3 x RJ-45 2.5GbE (Intel® I226-IT) with 1.5 kV isolation voltage	2 x RJ-45 GbE (Intel® I210-IT) with 1.5 kV isolation voltage	3 x RJ-45 GbE (Intel® I210-IT) with 1.5 kV isolation voltage
Expansion Interface		1 x M.2 Key B 3050/3052 (USB signal) for 5G/Wi-Fi 1 x Full-size Rev.1.2 PCIe Mini Card slot (USB signal) for LTE/Wi-Fi 1 x Half-size Rev.1.2 PCIe Mini Card slot (USB/PCIe/SATA) for LTE/Wi-Fi/mSATA 2 x SIM socket (1 for M.2 and 1 for full-size PCIe Mini Card)	1 x Full-size Rev. 1.2 PCIe Mini Card slot (USB/PCIe signal with SIM socket) 1 x Half-size Rev. 1.2 PCIe Mini Card slot (mSATA/USB/PCIe)	1 x M.2 Key B 3052 (PCIe/USB, optional) 1 x Full-size Rev.1.2 PCIe Mini Card slot (USB) for LTE/Wi-Fi 1 x Half-size Rev.1.2 PCIe Mini Card slot (USB/mSATA) 2 x SIM socket (1 for M.2 and 1 for full-size PCIe Mini Card)
DIO		1 x Isolated 8-in & 8-out DIO (Advanced model)	8-bit programmable DIO (DB9)	1 x Isolated 8-in & 8-out DIO (Advanced model)
USB		2 x USB 3.1	2 x USB 2.0	2 x USB 3.0
Storage		1 x Internal 2.5" SATA drive 1 x mSATA (occupies 1 x PCIe Mini Card slot) 1 x 8GB eMMC 1 x M.2 2242/2280 NVMe PCIe Gen3x2 (Advanced model)	1 x mSATA (occupies 1 x PCIe Mini Card slot) eMMC (optional)	1 x Internal 2.5" SATA drive 1 x mSATA (occupies 1 x PCIe Mini Card slot) 1 x 8G eMMC
Watchdog Timer		255 levels, 1 to 255 sec.	255 levels, 1 to 255 sec.	255 levels, 1 to 255 sec
Power Input		9 to 36 VDC (terminal block), typically 12 to 24 VDC	9 to 36 VDC (terminal block), typically 12 to 24 VDC	9 to 36 VDC (terminal block), typically 12/24V
Operating Temperature		-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)	-40°C to +75°C (-40°F to +167°F)
Dimensions (W x D x H)		Simplified model: 51 x 110 x 155 mm (2.17" x 4.33" x 6.1") Advanced model: 66 x 110 x 155 mm (2.48" x 4.33" x 6.1")	ICO120-E3350-A/B/C/E: 31 x 100 x 125 mm (1.22" x 3.93" x 4.92") ICO120-E3350-F: 48 x 100 x 125 mm (1.89" x 3.93" x 4.92")	Simplified model: 51 x 110 x 155 mm (2.0" x 4.33" x 6.1") Advanced model: 66 x 110 x 155 mm (2.48" x 4.33" x 6.1")
Weight (net/gross)		Simplified model: 1.00 kg (2.2 lb) Advanced model: 1.50 kg (3.3 lb)	ICO120-E3350-A/B/C/E: 0.3 kg (0.67 lb)/0.45 kg (0.99 lb) ICO120-E3350-F: 0.4 kg (0.88 lb)/0.5 kg (1.10 lb)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)
Certifications		CE (Class A), FCC (Class A), UKCA, UL	CE (Class A), FCC (Class A), UL EN 55032 (Class A), EN 55035 FCC part 15 B (Class A), UKCA	CE (Class A), FCC (Class A), UL, ATEX/Class I Division 2
Mounting		DIN-rail Wall mounting (optional)	DIN-rail Wall mounting (optional)	DIN-rail Wall mounting (optional)
EOS Support		Linux, Windows 11/10 IoT	Linux, Windows 10 IoT	Linux, Windows 10 IoT
Software Support		AXEAPI	AXEAPI	AXEAPI

Features \ Models		ICO110	ICO520
Platform	Processor	Intel® Celeron® N3350 (1.1GHz/2C/6W)	Intel® Core™ i7-1265UE (1.7GHz/10C/15W), Intel® Core™ i5-1245UE (1.5GHz/10C/15W), Intel® Core™ i3-1215UE (1.2GHz/6C/15W) or Intel® Celeron® 7305E (1GHz/5C/15W)
	Chipset	SoC integrated	SoC integrated
System Memory		DDR3L-1600 SO-DIMM, up to 8GB	DDR4-3200 SO-DIMM, up to 32GB
TPM		TPM 2.0	TPM 2.0
Serial		1 x RS-232/422/485 (DB9)	4 x 4-wire RS-232/422/485 with 2 kV isolation voltage in Phoenix-type connectors (Advanced model)
CANbus		N/A	N/A
Display		1 x HDMI (up to 1920 x 1080 @60Hz)	2 x HDMI (up to 1920 x 1080 @60Hz)
Ethernet		2 x RJ-45 GbE (Intel® I210-IT) with 1.5 kV isolation voltage	4 x RJ-45 2.5GbE (Intel® I226-IT) with 1.5 kV isolation voltage
Expansion Interface		N/A	1 x M.2 Key B 3050/3052 (PCIe/USB) for 5G/Wi-Fi 1 x Full-size Rev.1.2 PCIe Mini Card slot (PCIe/USB) for LTE/Wi-Fi 1 x Full-size Rev.1.2 PCIe Mini Card slot (SATA/USB) for mSATA/Wi-Fi 3 x SIM socket (1 for M.2 and 2 for full-size PCIe Mini Card)
DIO		N/A	1 x 8-in & 8-out DIO with 2 kV isolation voltage (Advanced model)
USB		4 x UBS 3.0	4 x USB 3.1
Storage		1 x mSATA (occupies 1 x PCIe Mini Card slot)	1 x Internal 2.5" SATA drive 1 x mSATA (occupies 1 x PCIe Mini Card slot) 1 x M.2 2242/2280 NVMe PCIe Gen2x4 (Advanced model)
Watchdog Timer		255 levels, 1 to 255 sec.	255 levels, 1 to 255 sec.
Power Input		9 to 36 VDC (terminal block), typically 12 to 24 VDC	9 to 36 VDC (terminal block), typically 12 to 24 VDC
Operating Temperature		AC: 0°C to +55°C (32°F to +131°F) AW:-40°C to +70°C (-40°F to +158°F)"	-40°C to +70°C (-40°F to +158°F) (with fan kit)
Dimensions (W x D x H)		48 x 100 x 100 mm (1.89" x 3.94" x 3.94")	83 x 110 x 155 mm (3.27" x 4.33" x 6.10")
Weight (net/gross)		0.3 kg (0.67 lb)/0.45 kg (0.99 lb)	Simplified model: 1.65 kg (3.84 lb) Advanced model: 1.75 kg (3.86 lb)
Certifications		CE (Class A), FCC (Class A), UKCA, UL	CE (Class A), FCC (Class A), UKCA, UL
Mounting		DIN-rail Wall mounting (optional)	DIN-rail Wall mounting (optional)
EOS Support		Linux, Windows 10 IoT	Linux , Windows 11 IoT
Software Support		AXEAPI	AXEAPI

For more information, please visit Axiomtek's official website at www.axiomtek.com.

AXIOMTEK

ASIA

Axiomtek Co., Ltd (HQ)

8F., No.55, Nanxing Road, Xizhi District,
New Taipei City 221, Taiwan

T/ +886-2-8646-2111
F/ +886-2-8646-2555
E/ info@axiomtek.com.tw

Axiomtek Technology (Shen-zhen) Co., Ltd

Unit GH, 6F, Building 7 (Block B), Baoneng
Science and Technology Park, Longhua
Street, Qinghu Community, Qinghu Village,
Longhua District, Shenzhen, China
T/ +86-0755-66865899
F/ +86-0755-66863068
E/ axcn@axiomtek.com.cn

Axiomtek Japan Co., Ltd.

3F, 1-7-11, Higashi Nihonbashi,
Chuo-Ku, Tokyo
103-0004, Japan

T/ +81-(0)3-6206-0308
E/ info@axiomtek.co.jp

Axiomtek (Malaysia) Sdn. Bhd.

No 16, Jalan Tandang 51/205A,
Seksyen 51, 46050 Petaling Jaya, Selangor,
Malaysia

T/ +603-77731203
F/ +603-77724403
E/ info@axiomtek.com.my

Axiomtek (Thailand) Co., Ltd.

7/17 Moo 6, Tumbol Banmai,
Amphur Pakkret, Nonthaburi,
Thailand 11120

T/ +662-573-4725
F/ +662-573-4726
E/ sales@axiomtek.co.th

USA

Axiomtek (U.S. HQ)

18138 Rowland Street, City of Industry,
CA 91748, USA

T/ +1-626-581-3232
F/ +1-626-581-3552
E/ info@axiomtek.com
    sales@axiomtek.com

Regional Sales Office

T/ +1-626-581-3232
Western Region ext. 116
Northeast/Southeast Region ext. 123
North Central Region ext. 189

Axiomtek Systems

300 Griffin Brook Drive, Methuen,
MA 01844, USA

T/ +1-978-258-0108
E/ sales@axiomteksystems.com

EU

Axiomtek Deutschland GmbH

Elisabeth-Selbert-Straße 21a
40764 Langenfeld, Germany

T/ +49-2173-399360
E/ welcome@axiomtek.de

Axiomtek UK Limited

Peter House, Oxford Street, Greater
Manchester M1 5AN, UK
T/ +44(0)1612093680
E/ info@axiomtek.co.uk

Axiomtek Italia S.r.l.

Via Pavia, 21
20835 Muggiò (MB), Italy

T/ +39-02-664299.1 r.a.
E/ info@axiomtek.it

intel partner Titanium   SGS   SGS   RoHS   V439 94300005480E