Lanner

Comprehensive Hardware Solutions for
# Industrial Cyber Security

Energy | Manufacturing | Oil & Gas
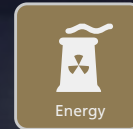
As the leading hardware solution provider for network security, Lanner offers tailored-made hardware platforms designed to continuously protect the communication in the targeted automation networks, such as energy, manufacturing and oil and gas industries. Our hardware solutions range from rugged industrial UTM installed in the industrial zones, to 1U/2U network security appliances applicable for the industrial DMZ and office networks.
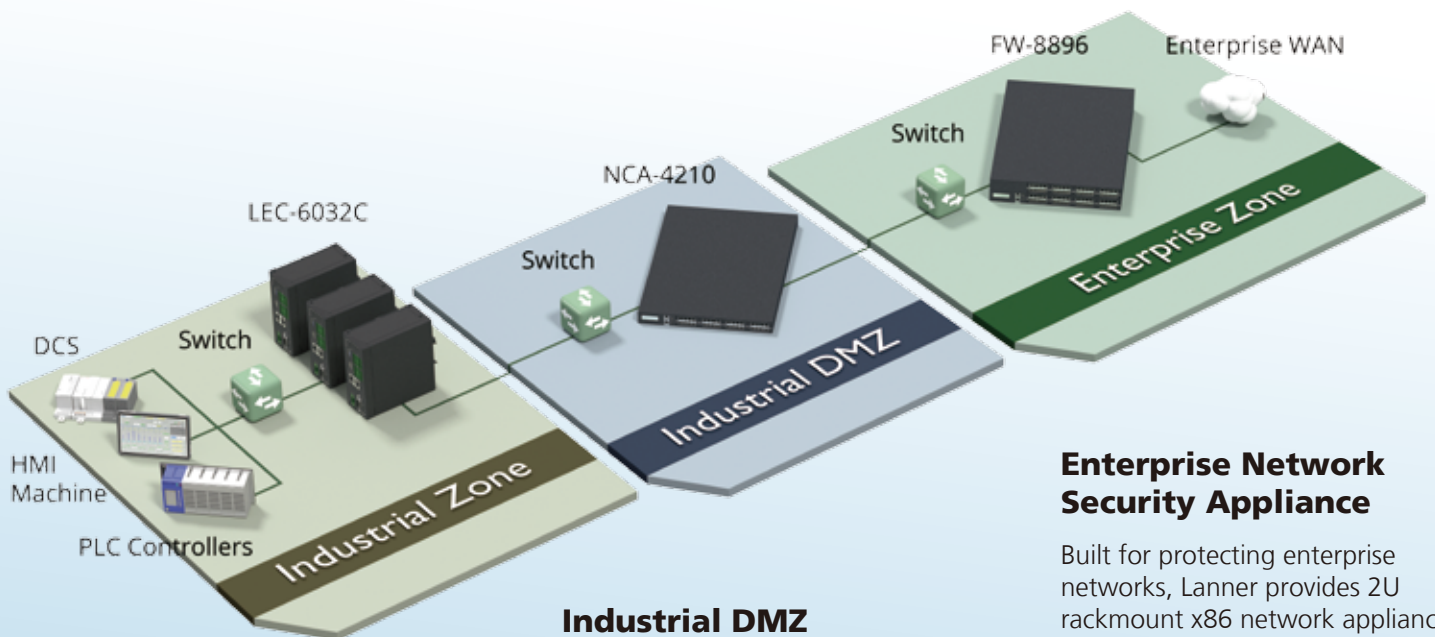
Industrial Zone UTM

Designed to mitigate the risk of deliberate cyber attack that could lead to the shutdown of the entire automation networks, Lanner's rugged industrial firewalls prevent unauthorized remote access by offering security measures such as VPN data encryption, protocol filtering, and white listing.

Industrial DMZ Security Gateway

Designed to defend advanced cyber attacks (such as DDoS attack) at historian servers and domain controllers in the industrial DMZ, Lanner offers the mid-range 1U network appliances, featuring chassis design, x86 performance, up to 20+ LAN/SFP ports and advanced LAN bypass and hardware-based crypto engine.

Enterprise Network Security Appliance

Built for protecting enterprise networks, Lanner provides 2U rackmount x86 network appliances are equipped with extreme computing power, expansion capability and full redundancy support, making them ideal for demanding security applications such as IDS, IPS and DPI.

DIN-Rail Models

Ultra-compact Design

IEC61850 Compliance

Gen.3 LAN Bypass

Model Name	LEC-3030	LEC-6021	LEC-6032C
Processor	Intel® Celeron CPU N2807 1.58GHz	Intel Atom™ CPU N2600	Intel® Atom™ CPU E3845 1.91GHz
Chipset	SoC	NM10	SoC
LAN	2 x RJ45	5 x RJ45 + 2 x SFP, 1 pair LAN bypass	5 x RJ45 + 2 x SFP, 1 pair Gen.3 LAN bypass
Serial I/O	2 x RS-232/422/485 with isolated protection 1 x USB 2.0, 1 x USB 3.0, 4 x DI/DO	2 x USB 2.0, 1 x RS-232	1 x RS-232, 1 x USB 2.0, 1 x USB 3.0
Storage	1x SATA connector, 1 x 2.5" drive bay	1x SATA connector, optional 2.5" drive bay	1x SATA connector, 1 x 2.5" drive bay
Expansion	N/A	N/A	N/A
Power Input	12 ~ 36 Vdc	Dual power inputs (12 ~ 48 Vdc)	Dual power inputs (12 ~ 36 Vdc)
Operating Temp.	-20~55°C	-40~70°C	-40~70°C
Dimension	52 x 130 x 127 mm	160 x 166 x 53.5 mm	78 x 146 x 127 mm

Rackmount Models

Intel Skylake/Kaby Lake

Intel Haswell-EP/Broadwell-EP

IEC61850 Compliance

Model Name	NCA-4210	FW-8896	LEC-3231
Processor	6th/7th Intel Core™ i7/i5/i3 CPU	2 x Intel® Xeon® E5-2600 v3/v4 series CPU	Intel® Celeron® 847E, Core™ i3-3217UE or Core™ i7-3517UE
Chipset	Intel® H110 or C236	Intel® C612	Intel HM65
LAN	Up to 12 x RJ45, 2 x SFP	8 x NIC module slots, Up to 64 x RJ45	8 x RJ45
Serial I/O	2 x USB 2.0, 1 x RJ45 console	2 x USB 2.0, 1 x RJ45 console	2 x DB9, 2 x 2 x 10 pin terminal block for 10 x RS-232/422/485 with isolated protection
Storage	Optional 2 x 2.5" drive bay	Optional 2 x 2.5" drive bay	2 x 2.5" drive bay
Expansion	1 x NIC module slot, 1 x mini-PCIe expansion	8 x NIC module slots,1 x PCIe expansion	Optional 1 x PCIe expansion
Power Input	220W, 90~264 Vac	1+1 600/800W redundant power, 90~264 Vac	36~48Vdc or 90~264Vac/100~300Vdc
Operating Temp.	0°C to 40°C	0°C to 40°C	-40~70°C
Dimension	540 x 500 x 230 mm	438 x 88 x 600 mm	440 x 88 x 300 mm