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.

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## DIN-Rail Models

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

## Rackmount Models

### Intel Skylake/Kaby Lake
- **Model Name**: NCA-4210
- **Processor**: 6th/7th Intel Core™ i7/i5/i3 CPU
- **Chipset**: Intel® H110 or C236
- **LAN**: Up to 12 x RJ45, 2 x SFP
- **Serial I/O**: 2 x USB 2.0, 1 x RJ45 console
- **Storage**: Optional 2 x 2.5" drive bay
- **Expansion**: 1 x NIC module slot, 1 x mini-PCIe expansion
- **Power Input**: 220W, 90~264 Vac
- **Operating Temp.**: 0°C to 40°C
- **Dimension**: 540 x 500 x 230 mm

### Intel Haswell-EP/Broadwell-EP
- **Model Name**: FW-8896
- **Processor**: 2 x Intel® Xeon® E5-2600 v3/v4 series CPU
- **Chipset**: Intel® C612
- **LAN**: 8 x NIC module slots, Up to 64 x RJ45
- **Serial I/O**: 2 x USB 2.0, 1 x RJ45 console
- **Storage**: Optional 2 x 2.5" drive bay
- **Expansion**: 8 x NIC module slots, 1 x PCIe expansion
- **Power Input**: 1+1 600/800W redundant power, 90~264 Vac
- **Operating Temp.**: 0°C to 40°C
- **Dimension**: 438 x 88 x 600 mm

### IEC61850 Compliance
- **Model Name**: LEC-3231
- **Processor**: Intel® Celeron® B847E, Core™ i3-3217UE or Core™ i7-3517UE
- **Chipset**: Intel HM65
- **LAN**: 8 x RJ45
- **Serial I/O**: 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
- **Expansion**: Optional 1 x PCIe expansion
- **Power Input**: 36~48Vdc or 90~264Vac/100~300Vdc
- **Operating Temp.**: -40~70°C
- **Dimension**: 440 x 88 x 300 mm