ThinkCentre

ThinkCentre M90n Nano and M90n Nano IOT

Lenovo
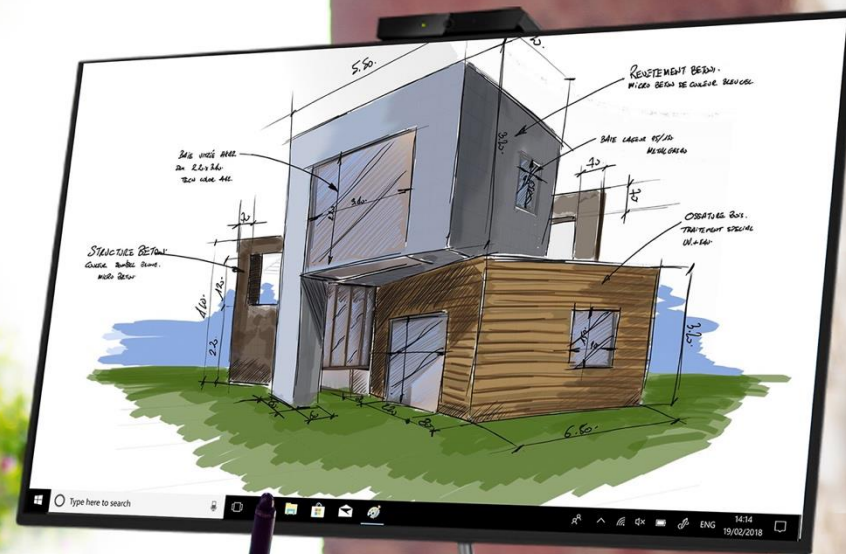
ThinkCentre | Formfactors

T W R
S F F

T i n y

N a n o

ThinkCentre Nano | Pioneer in Desktop Evolution

Standard Commercial
Shared Workspace
Light-loaded
Responsiveness

IoT / Vertical
Connectivity
Enhanced Reliability
Tailor-made Expandability

World's Smallest Commercial Desktop PC

ThinkCentre Nano | Is The New Big

Uncompromising Performance & Design

- Core-i7 to Celeron Whiskey Lake CPUs (U-Series 15W)
- Size 0.35L, 35% of a Tiny
- Up to 16GB DDR4 Memory (soldered)
- Up to 2x 512GB PCIe SSD

Ease-of-Use Focused

- Single cable deployment via Type-C
- Multiple mounting and bracket options
- Expendabilities via dockings

ThinkCentre Nano | Product Spec At-A-Glance

WxDxH: 179x88x22mm

Front I/O:
- *2x USB3.1 Gen2*
- *1x Type-C (USB3.1 Gen2)*
- *1x audio combo*

Rear I/O:
- *1x DC-in*
- *2x USB3.1 Gen2*
- *1x DP*
- *1x Type-C (USB3.1 Gen2 + DP)*
- *1x RJ45 LAN*

Internal Bay:
- *Memory Down*
- *2x M.2 PCIe SSD*
- *1x M.2 WiFi*

Lenovo

Nano IoT Product Spec At-A-Glance.

Nano IoT Front I/O:
- *1x Power-on Button*
- *2x RS232*
- *1x Type-C (USB 3.1 Gen2, PD)*
- *2x USB3.1 Gen2*
- *1x audio combo*

Nano IoT Rear I/O:
- *1x DC-in / 1x DP*
- *1x USB3.1 Gen2 (i3 CPU) / USB 2.0 (Celeron SKU)*
- *1x Type-C (USB 3.1 Gen2, PD, DP)*
- *2x RJ45 LAN (Celeron SKU offer Single LAN)*
- *1x Kensington lock*
- *1x Wi-Fi/BT Antenna*

Nano IoT Internal:
- *2x M.2 Storage*
- *1x M.2 Wi-Fi/BT*
- *1x M.2 4G*
- *1x LoRa (reserved)*

Lenovo

Nano IOT - I/O Box

Nano IoT – IOBOX Product Spec at-a-Glance

- Manufacturing, Retail, Smart Building
- Flexible with Nano IoT via Type-C I/F
- Extra Legacy, Vertical I/O Offering
- Space for future Customization

IOBOX

|	
2x PoE	• **802.3af PSE of Giga Camera**
2x Serial	• **RS232/422/485 of PLC, Inverter**
4x DI & 4x DO	• **Refrigerator Door** • **Door Bell** • **LED Light**
Wide voltage DC-in	• **DC 9~36V wide voltage input.**

Security – Desktops specific

- ***Chassis intrusion switch** –*
  detects if computer cover is properly installed
- ***Kensington lock** –*
  connect Kensington cable lock with Nano and lock Nano to a fixture
- ***Smart USB protection** –*
  'Read Only' mode forbids data being copied from PC to USB device
  'No Access' mode forbids all USB storage devices
- ***Individual USB port disablement** –*
  all USB ports are numbered and can be disabled independently
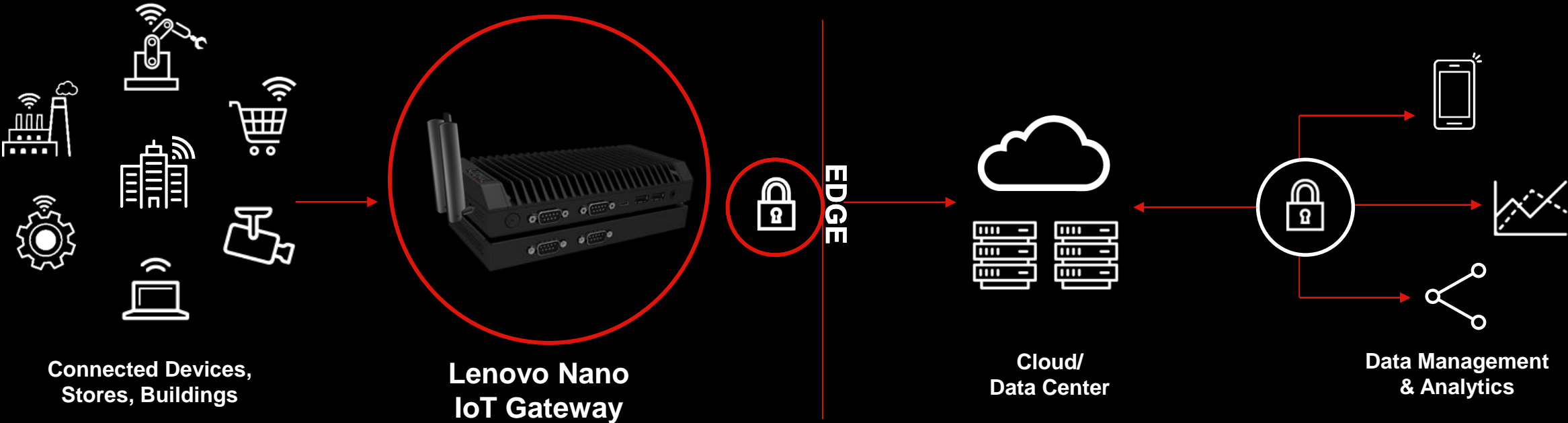
Kensington lock
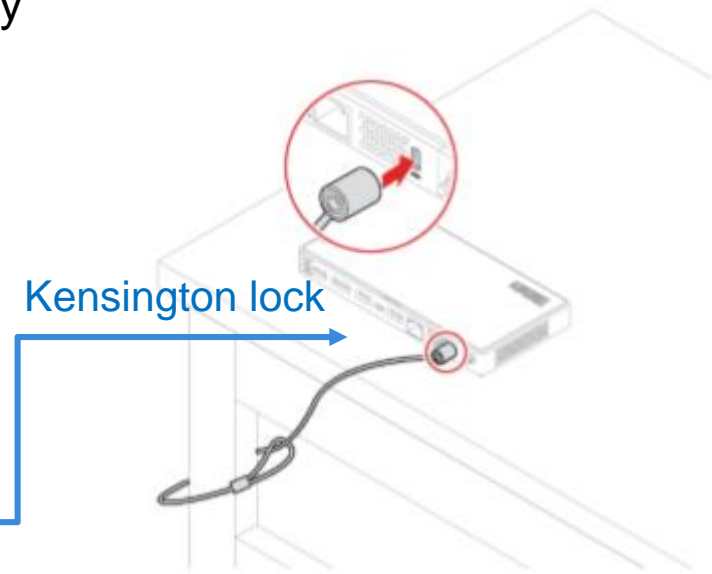
Lenovo's Nano IoT Gateway

Bridges devices & sensors moving big data to the cloud/datacenter securely

Delivers CPU computing power at the edge powering real-time analytics

Solves latency and security concerns

Connected Devices, Stores, Buildings

Lenovo Nano IoT Gateway

EDGE

Cloud/ Data Center

Data Management & Analytics

ThinkCentre Nano Accessories

ThinkCentre Nano I-O Expansion Box	ThinkCentre Nano Monitor Clamp	ThinkCentre Nano VESA Mount
SBB	SBB	SBB

ThinkCentre Nano DIN Rail Mount	ThinkCentre Nano Power Cage	ThinkCentre Nano TIO Module Bracket
SBB	SBB	SBB
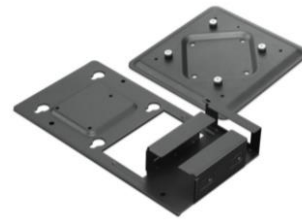
ThinkCentre Nano | Deploy Anywhere

Easy Cable Management

- 1 USB-C cable connecting to monitor, saving setup time

Variety of Mounting Solutions

- Extreme small footprint, flexible to set around workspace

- Powered via USB-C
  1 cable for power + display

*selected monitors only

w/ Monitor   Monitor Clamp

Mounted on the back of monitor

TIO Compatible

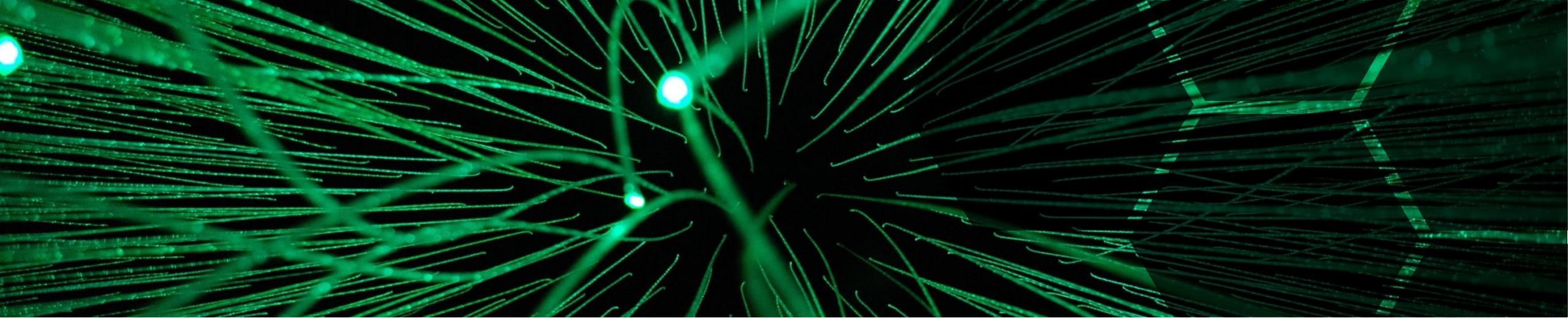Supported via **TIO cube**

Wall Mount   VESA

DIN Rail

GREEN CERTIFICATION

Take a step towards green work environment with the ThinkCentre M90n Nano and ThinkCentre M90n Nano IoT. Engineered for energy efficiency, the Nano series of desktops reduce power consumption. These devices meet strict environmental guidelines to help minimize the environmental impact without compromising on performance and features.

The **ErP LOT 3** and **ENERGY STAR®** 7.0 compliance ensures your desktop's power consumption is in check even in low power states—making it energy and cost efficient.
The **EPEAT™ Silver** and **RoHS CERTIFICATION** enable sustainable practices throughout your desktop's lifecycle.
Certified by **TÜV LOW NOISE CERTIFICATION,** your device performs noiselessly so that you carry out your important business tasks with least disturbance.

CE
ErP LOT 3

energy
ENERGY STAR

TÜVRheinland®
CERTIFIED

RoHS
Compliant

✓ epeat
™ SILVER

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USB C monitor – One cable attach

ThinkVision P44w

ThinkVision T25m

Lenovo

User Scenario | Healthcare
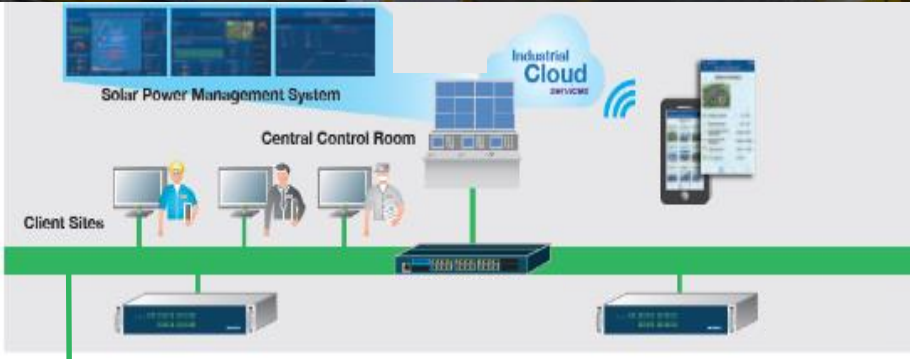

Medical Cart

Power Bank*

- Business level computing power
- Powered by power bank as UPS– up to 12hrs operating hours!

User Scenario | Manufacturing

(IoT Gateway & Edge Computing)

Cameras

Sirens

Displays

Invertors

Sensors

Ethernet

Track Real-Time | Operators Manage Alerts | SCADA Systems Monitor
Engineered for 24/7/365 Uptime in Rugged Conditions (Shock/Temp)

SCADA: Supervisory Control And Data Acquisition

thanks.

Different is better