

# ICX7450 | RUCKUS ICX 7450 Switches



## Mid-Range Enterprise-Class Stackable Access/Aggregation Switch

- Up to 3 uplink modules with 4 x 1 GbE, 4 x 10 GbE, or 1 x 40 GbE ports
- 40 GbE standards-based stacking links – no proprietary cables needed
- PoE/PoE+/PoH (95W) to power video surveillance, VDI terminals, and HD displays
- Expansion slots accept modules with different uplink speeds and services
- Site-to-site IPsec VPN service module eliminates dedicated encryption devices
- Programmable hardware technology, enabling more features to be added to IPsec VPN deployments
- Suite B algorithms and support for 128-bit and 256-bit AES
- 10 Gbps throughput per service module
- Up to 12 switches per stack
- Up to 10km between stacked switches
- Stacking connectivity through open standard SFP+ or QSFP+ ports – no special cables needed
- Stack level ISSU for continuous operations
- Works seamlessly with RUCKUS Wi-Fi access points
- RUCKUS SmartZone and RUCKUS Cloud support delivers unified wired & wireless management

The RUCKUS ICX 7450 delivers unprecedented scale-out density with enterprise-class availability. With SDN support, a service module for IPsec VPN, and 40 GbE ports for uplinks all in a stackable design, these switches enable services to be added anywhere in the network.

The ICX 7450 is an ideal network solution for campus networks requiring 1 GbE access or small aggregation deployments with upgradeable 1GbE, 10 GbE or 40 GbE uplink modules. The switch also makes a suitable data center Top-of-Rack (ToR) solution, providing a ToR access-layer that can be upgraded to run on 10GbE/40GbE in the future with minimum costs and changes to cabling.

The modular design of the switch enables deployment of additional services such as high-performance IPsec encryption to meet increasing compliance and data security requirements.

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Product Type</b>          | Ethernet switch   |
| <b>Product Brand</b>         | RUCKUS®   |

## General Specifications

|   |          |
|---|----------|
| <b>Switching Capacity, maximum</b>          | 336 Gb/s |
| <b>1 GbE RJ45 Ports, quantity, maximum</b>  | 48       |
| <b>1 GbE SFP Ports, quantity, maximum</b>   | 48       |
| <b>10 GbE SFP+ Ports, quantity, maximum</b> | 12       |
| <b>10 GbE RJ45 Ports, quantity, maximum</b> | 12       |
| <b>40 GbE QSFP Ports, quantity, maximum</b> | 3        |
| <b>PoE Power Budget, maximum</b>            | 1500 W   |

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|--|----------|
| <b>Switches per Stack, maximum</b>                 | 12       |
| <b>Aggregate Stack Bandwidth, maximum</b>          | 960 Gb/s |
| <b>PoE/PoE+</b>                                    | Yes      |
| <b>Stacking</b>                                    | Yes      |
| <b>sFlow</b>                                       | Yes      |
| <b>Layer 3 (STATIC, RIP, OSPF)</b>                 | Yes      |
| <b>OpenFlow with Hybrid Port Mode</b>              | Yes      |
| <b>Campus Fabric Technology</b>                    | Yes      |
| <b>Redundant Power Option</b>                      | Yes      |
| <b>Hot Swap Internal Power Supplies &amp; Fans</b> | Yes      |
| <b>802.3bt2 (90 W PoE Power per Port)</b>          | Yes      |
| <b>VRF</b>   | Yes      |
| <b>EEE (Energy Efficient Ethernet)</b>             | Yes      |
| <b>IPsec VPN, with service module</b>              | Yes      |
| <b>MACsec</b>                                      | Yes      |
| <b>BGP</b>   | Yes      |
| <b>Reversible Airflow Option</b>                   | Yes      |