

ICX7650 | RUCKUS ICX 7650 Switches



High-End Enterprise-Class Stackable Access/Aggregation Switch with 100GbE

- Up to 24x 1/2.5/5/10G multi-gigabit Ethernet ports
- Up to 2x 100GbE uplink or stacking ports
- Up to 2x 40 GbE uplink or 4x 40GbE stacking ports
- PoE+/802.3bt** up to 90W per port
- Up to 1500W PoE budget with two power supplies
- Dual load sharing power supplies for system power redundancy
- Redundant uplink/stacking ports
- Instantaneous hitless failover to a standby controller
- Stack level ISSU for continuous operations
- Hot-insertion/removal of stack members to avoid service interruption
- IPv4 and IPv6
- BGP, OSPF, VRRP, PIM, PBR
- VRF
- MCT (available in a future software release) RUCKUS SmartZone support delivers unified wired & wireless management and network automation
- Works seamlessly with RUCKUS Wi-Fi access points
- RUCKUS SmartZone and RUCKUS Cloud support delivers unified wired & wireless management

The RUCKUS ICX 7650 Switch is designed to meet the new challenges of the multi-gigabit wireless era. It delivers non-blocking performance, high availability, and scalability with multi-gigabit Ethernet access (2.5/5/10GbE), high PoE output with 802.3bt** support as well as 10 Gigabit Ethernet Aggregation and 40/100GbE uplink options.

The ICX 7650 is an ideal solution for future proof campus edge deployment as an underlay to support the most demanding next generation wireless infrastructure. Additionally the fiber version of the switch delivers a highly cost effective medium density 1/10GbE aggregation solution with 24 SFP & 24SPF+ ports and 40/100GbE uplinks.

The ICX 7650 supports Ruckus Campus Fabric* as a Control Bridge (CB) delivering unmatched flexibility, scalability and simplified management for campus network deployments.

**Up to 90W per port, IEEE 802.3bt standard pending ratification. Compatible with uPoE.

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Ethernet switch
Product Brand	RUCKUS®

General Specifications

Switching Capacity, maximum	1128 Gb/s
1 GbE RJ45 Ports, quantity, maximum	48

ICX7650 | RUCKUS ICX 7650 Switches

1 GbE SFP Ports, quantity, maximum	24
10 GbE SFP+ Ports, quantity, maximum	24
1/2.5/5/10 GbE RJ45 Ports, quantity, maximum	24
40 GbE QSFP Ports, quantity, maximum	2
100 GbE QSFP28 Ports, quantity, maximum	2
PoE Power Budget, maximum	1500 W
Switches per Stack, maximum	12
Aggregate Stack Bandwidth, maximum	2400 Gb/s
PoE/PoE+	Yes
Stacking	Yes
sFlow	Yes
Layer 3 (STATIC, RIP, OSPF)	Yes
OpenFlow with Hybrid Port Mode	Yes
Campus Fabric Technology	Yes
Redundant Power Option	Yes
Hot Swap Internal Power Supplies & Fans	Yes
802.3bt2 (90 W PoE Power per Port)	Yes
VRF	Yes
EEE (Energy Efficient Ethernet)	Yes
MACsec	Yes
BGP	Yes
Reversible Airflow Option	Yes
VxLAN	Yes