

# Ruckus ICX switches 7150, 7250, 7450, 7650, 7750, 7850 diagnostics commands

**NOTE** | When in doubt, use Cisco IOS-like commands, as most are equivalent.

Table 1. Ruckus ICX switch (former Brocade) diagnostics commands

Command	Description
<b>show version</b>	Show the switch hardware version, whether stack or not, uptime, serial number, firmware version.
<b>show flash</b>	Show boot images stored in the flash - primary and secondary boot images and thier versions, flash free space.
<b>show dir</b> OR <b>show files</b>	List contents of the flash - in addition to boot images, also startup configuration file and anything else stored in the flash.
<b>show boot</b>	Show in what sequence boot images will be tried on reload, usually Primary then Secondary.
<b>show cpu tasks</b>	Show last 1 second CPU load per task in percents.
<b>show cpu histogram waittime</b> AND <b>show cpu histogram holdtime</b>	Shows the task CPU usage in each bucket. This includes how many times a task run time or hold time falls in each bucket, and the maximum run time and total run time for each bucket. Hold time - The time that the task is holding the CPU without yield. Wait time - The time that the task is waiting for execution.
<b>show fdp neighbor</b> AND <b>show fdp neighbor detail</b>	Show CDP or/and LLDP neighbors, provided any of these protocols are enabled on the switch.
<b>show run</b>	Show the running configuration.
<b>show statistics brief</b>	Show stats for all interfaces - cumulative packets in/out, error in/outs.
<b>show statistics ethernet &lt;port number&gt;</b>	Show detailed statistics for the interface <i>&lt;port number&gt;</i> - packets/bytes in/out, bad packets/frames, CRC count, Collisions, Interface bandwidth utilization in percents, current interface utilization in bits/sec.

Command	Description
<b>show spanvlan &lt;vlan number&gt;</b>	Show spanning tree status (optionally) for a given VLAN - who is root, interface cost, state (forwarding, disabled) of each interface.
<b>show vlan &lt;vlan number&gt;</b>	Show VLAN information - spanning tree status (on/off), SPT priority, which ports are tagged and which are not, Uplink ports if any.
<b>show inline power</b>	Show power over the Ethernet status for each interface, if enabled/supported.
<b>show int &lt;interface name&gt;</b>	Detailed interface statistics like <b>show int</b> in Cisco equipment - port uptime, MAC address, configured vs actual speed/duplex, MDI mode, STP state, input/output rate in bits/sec,