

# OcNOS® Optical Transport Network (OcNOS-OTN) Software Feature Summary

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## Features on OcNOS OTN Release

The table below lists the software features in the latest OcNOS OTN available release. Note, the following mentioned features are only indicative and the detail feature list may vary. Please refer to Feature Matrix for complete feature list on supported ODM platforms.

### OTN 1.1.0 : Technical Specifications – NOS Software Features

OCNOS-OTN FEATURE	SPECIFICATION
Layer 1	<ul style="list-style-type: none"> <li>• xConnect</li> </ul>
Layer 2 Switching	<ul style="list-style-type: none"> <li>• VLAN</li> <li>• STP</li> <li>• Multiple Spanning Tree Protocol (MSTP)</li> <li>• Rapid Spanning Tree (RSTP)</li> <li>• Link Aggregation</li> <li>• BPDU Protect</li> <li>• Root Guard</li> </ul>
Layer 3 Routing	<ul style="list-style-type: none"> <li>• Ethernet ARP</li> <li>• Transmission of IP Datagrams over Ethernet</li> <li>• IP Subnetting</li> <li>• Classless Inter-Domain Routing (CIDR)</li> <li>• Requirements for IP Version 4 Routers</li> <li>• Route Redistribution</li> <li>• VLAN Routing</li> <li>• BGP</li> <li>• OSPF</li> <li>• BFD</li> </ul>
VxLAN with EVPN	<ul style="list-style-type: none"> <li>• L2 EVPN for VxLAN</li> </ul>
Multicast Features	<ul style="list-style-type: none"> <li>• PIM</li> <li>• IGMP</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Role based CLI management and access</li> <li>• CLI access via console, telnet and SSH</li> <li>• Authentication using TACAS+/RADIUS Client</li> <li>• Extended ping and traceroute</li> <li>• SNMP v1, v2, and v3</li> <li>• sFlow</li> <li>• ErrorDisable</li> <li>• Debounce Timer</li> <li>• DHCP client/DHCP relay</li> <li>• NTP</li> <li>• Syslog</li> <li>• File Upload/Download using FTP/TFTP/SFTP/SCP</li> <li>• Management VRF</li> <li>• Loopback and VTY Based ACL</li> <li>• Licensing</li> </ul>

Hardware-Specific Features	<ul style="list-style-type: none"> <li>• Dynamic Load Balancing (RTAG7 Hash)</li> <li>• Port breakout</li> <li>• Chassis Monitoring               <ul style="list-style-type: none"> <li>- Temperature monitor</li> <li>- Fan control</li> <li>- CPU load monitoring</li> <li>- Board information (EEPROM)</li> <li>- Power Monitoring for Chassis</li> </ul> </li> <li>• Digital Diagnostics Monitoring (for transceiver)               <ul style="list-style-type: none"> <li>- Temperature monitor</li> <li>- Power Monitoring (Power, Current, Voltage)</li> </ul> </li> </ul>
Coherent Optics	<ul style="list-style-type: none"> <li>• DCO Module Support</li> <li>• Module specific attributes</li> <li>• Network interface specific configuration and monitoring attributes</li> <li>• Host interface specific attributes</li> <li>• DDM support</li> </ul>

## For more information

For more information about the OcNOS Optical Transport Network Solution, contact your IP Infusion sales representative.

### ABOUT IP INFUSION

IP Infusion, a leader in disaggregated networking solutions, delivers enterprise and carrier-grade software solutions allowing network operators to reduce network costs, increase flexibility, and to deploy new features and services quickly. IP Infusion is headquartered in Santa Clara, Calif., and is a wholly owned and independently operated subsidiary of ACCESS CO., LTD. Additional information can be found at <http://www.ipinfusion.com>

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