

NetCloud Feature	NetCloud Mobile Performance				NetCloud Mobile	
Endpoint	R980	R1900	R2100	R2400	R920	IBR1700
<b>WAN</b>						
Carrier Selection Intelligence	✓	✓	✓	✓	✓	✓
Connection Manager						
Load Balancing	✓	✓	✓	✓	✓	✓
Smart WAN Selection	✓	✓	✓	✓	✓	✓
Advanced APN	✓	✓	✓	✓	✓	✓
WAN Verify	✓	✓	✓	✓	✓	✓
Failover/Failback	✓	✓	✓	✓	✓	✓
3rd Party Satellite Integration	✓	✓	✓	✓	✓	✓
WAN Connections						
5G	✓	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>
LTE	✓	✓	✓	✓	✓	✓
CBRS	✓	✓	✓	✓	✓	✓
WiFi-as-WAN	✓	✓	✓	✓	✓	✓
Wireless Client	✓	✓	✓	✓	✓	✓
Wired Ethernet	✓	✓	✓	✓	✓	✓
eSIM						
Plastic eSIM	✗	✗	✗	✗	✗	✗
On-Board eSIM	✓	✗	✗	✗	✗	✗
Dual-SIM Dual-Standby (DSDS)	✗	✗	✗	✓	✗	✗
<b>SD-WAN</b>						
Single-Sided Architecture (Edge only)						
Static Traffic Steering (Device or Group)	✓	✓	✓	✓	✓	✓
Dual-Ended Architecture (requires NCX Service Gateway or NetCloud SASE)	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>
<b>Enterprise Routing</b>						
Static Routes	✓	✓	✓	✓	✓	✓
Policy Routes	✓	✓	✓	✓	✓	✓
OSPF	✓	✓	✓	✓	✓	✓
BGP	✓	✓	✓	✓	✓	✓
BFD	✓	✓	✓	✓	✓	✓
RIP	✓	✓	✓	✓	✓	✓

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PIM	✓	✓	✓	✓	✓	✓
Open EIGRP	✗	✗	✗	✗	✗	✗
NHRP	✓	✓	✓	✓	✓	✓
NEMO / DMNR	✓	✓	✓	✓	✓	✓
IP Verify	✓	✓	✓	✓	✓	✓
<b>LAN</b>						
IPv4 & IPv6	✓	✓	✓	✓	✓	✓
Quality of Service (QoS)	✓	✓	✓	✓	✓	✓
Application Aware QoS	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
DHCP Server / Relay	✓	✓	✓	✓	✓	✓
VRRP	✓	✓	✓	✓	✓	✓
MAC Filtering and Logging	✓	✓	✓	✓	✓	✓
IP Passthrough Mode	✓	✓	✓	✓	✓	✓
Wired 802.1x	✓	✓	✓	✓	✓	✓
STP	✓	✓	✓	✓	✓	✓
LLDP	✓	✓	✓	✓	✗	✓
VLANS	✓	✓	✓	✓	✓	✓
<b>Wi-Fi</b>						
Multiple SSIDs	✓ (4 with Advanced)	✓ (4 with Advanced)	✓ (4 with Advanced)	✓ (4 with Advanced)	✓	✓
Wireless Security Modes						
Open	✓	✓	✓	✓	✓	✓
WPA / WPA2 Personal	✓	✓	✓	✓	✓	✓
WPA / WPA2 Enterprise (802.1x)	✓	✓	✓	✓	✓	✓
WPA / WPA2/WPA3 Personal and Enterprise (802.1x)	✓	✓	✓	✓	✓	✓
Smart Channel Selection	✓	✓	✓	✓	✓	✓
DFS Channels Support	✓	✓	✓	✓	✓	✓
HotSpot Services (Captive Portal)	✓	✓	✓	✓	✓	✓
<b>Edge Security</b>						
Zone Firewall	✓	✓	✓	✓	✓	✓

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Application Aware Zone Firewall	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Basic URL Web Filtering (Permitted/Blocked list)	✓	✓	✓	✓	✓	✓
Available DNS Layer Filtering with Cisco Umbrella	✓	✓	✓	✓	✓	✓
Secure Threat Management (IPS/IDS)	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter
Actionable Alert on Threat Detection	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter
Secure Web Filter	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter
Web Classification and Categorization	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter
Web Reputation	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter
<b>VPN &amp; Tunneling</b>						
Traditional Edge VPN Protocols & Orchestration						
IPSec	✓	✓	✓	✓	✓	✓
GRE	✓	✓	✓	✓	✓	✓
OpenVPN (SSL VPN )	✓	✓	✓	✓	✓	✓
L2TP	✓	✓	✓	✓	✓	✓
PMP	✓	✓	✓	✓	✓	✓
DMVPN	✓	✓	✓	✓	✓	✓
Auto-Tunnels	✓	✓	✓	✓	✓	✓
VXLAN	✓	✓	✓	✓	✓	✓
Serial IP/MODBUS	✓	✓	✗	✓	✓	✗
<b>Zero Trust Network</b>						
Site-to-site Based Access Policies (Secure Connect)	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>
Secure Remote Access (ZTNA)	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>
Hybrid Mesh Firewall (HMF)	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>
Advanced Web Services	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>	<u>Zero-Trust Security &amp; SD-WAN</u>
<b>Troubleshooting &amp; Diagnostics</b>						
Out-of-Band Management for access to non-Ericsson Cradlepoint devices with console port	✓	✓	✗	✓	✓	✓
In-band management for access to LAN connected 3rd party device UIs	✓	✓	✓	✓	✓	✓
In-band management for clientless access to LAN connected PC/MAC devices (RDP/VNC)	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced

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Real-time Device Status via Remote Connect Local UI (router)	✓	✓	✓	✓	✓	✓
Real-time Network Interface Status via Remote Connect Local UI (router)	✓	✓	✓	✓	✓	✓
Current Device Status via NetCloud Device Dashboard	✓	✓	✓	✓	✓	✓
Current Network Interface Status via NetCloud Device Dashboard	✓	✓	✓	✓	✓	✓
Ping	✓	✓	✓	✓	✓	✓
Traceroute	✓	✓	✓	✓	✓	✓
Global Speed Test per WAN Interface	✓	✓	✓	✓	✓	✓
Rogue AP Detection	✓	✓	✓	✓	✓	✓
Wi-Fi Site Survey	✓	✓	✓	✓	✓	✓
GPIO (General Purpose Input/Outputs)	✓	✓	✓	✓	✓	✓
Ignition Sensing with Delayed Power Off	✓	✓	✓	✓	✓	✓
OBD-II Support	✓ <sup>4</sup>	✓ <sup>4</sup>	✗	✓ <sup>4</sup>	✓ <sup>4</sup>	✓ <sup>4</sup>
<b>Dashboard Analytics</b>						
Account Dashboard	✓	✓	✓	✓	✓	✓
Group Dashboard	✓	✓	✓	✓	✓	✓
Device Dashboard	✓	✓	✓	✓	✓	✓
Detailed Interface (Network, Ports, and Wi-Fi) view with Live Stats	✓	✓	✓	✓	✓	✓
Detailed Interface (GPIO) view with Live Stats	✓	✓	✓	✓	✓	✓
GeoView Dashboard (Account, Group, Device)	✓	✓	✓	✓	✓	✓
Near Real-Time Last Known Map Location Based on GNSS/GPS	✓	✓	✓	✓	✓	✓
Add Last Known Map Location Manually	✓	✓	✓	✓	✓	✓
Approximate Last Known Map Location Based on Serving Cell Tower	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Location of Serving Cell Tower	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
GeoFence Alerting	✓	✓	✓	✓	✓	✓
5G/LTE Cellular Coverage Map with filter	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Location Tracking	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Cellular Data Usage Dashboard (Account)	✓	✓	✓	✓	✓	✓

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Pooled Carrier Data Usage Analytics, Forecasting, and Alerting	✓	✓	✓	✓	✓	✓
Data Usage Dashboard (Account, Group, Device)						
Usage by WAN and Modem	✓	✓	✓	✓	✓	✓
Clients - Connected and Top Users (Account, Group, Device)	✓	✓	✓	✓	✓	✓
Traffic - Categories and Applications (Account, Group, Device)	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Health Dashboard (Account, Group, Device)	✓	✓	✓	✓	✓	✓
WAN Uptime (uncategorized)	✓	✓	✓	✓	✓	✓
WAN Uptime (categorized by WAN service type)	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Devices Lifecycle (shows where software update is required)	✓	✓	✓	✓	✓	✓
Cellular Health Summary (Account, Device)	Standard or Advanced	Standard or Advanced	Standard or Advanced	Standard or Advanced	Standard or Advanced	Standard or Advanced
Cellular Health Events (Device)	Standard or Advanced	Standard or Advanced	Standard or Advanced	Standard or Advanced	Standard or Advanced	Standard or Advanced
Cellular Health with Live Stats (Device)	✓	✓	✓	✓	✓	✓
Application and Interface WAN Quality of Experience (QoE)	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Traffic Steering for Events & Flows	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Failover Events Summary	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Active Failover Events	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
License Dashboard (Device)	✓	✓	✓	✓	✓	✓
Subscription Dashboard (Account)	✓	✓	✓	✓	✓	✓
Licensed Devices (allows Change License capability and shows active Essentials Plans)	✓	✓	✓	✓	✓	✓
Non-Compliant Devices	✓	✓	✓	✓	✓	✓
Unlicensed Devices	✓	✓	✓	✓	✓	✓
Subscriptions (includes total budgetary renewal cost for proactive budgeting)	✓	✓	✓	✓	✓	✓
Product Last Date of Support	✓	✓	✓	✓	✓	✓
Capacity Dashboard (with alerts)	✗	✗	✗	✗	✗	✗
VPN Monitor	✓	✓	✓	✓	✓	✓
Security Dashboard (Account, Device)	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter

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Secure Web Filter Summary and Events	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter
Secure Threat Management (IDS/IPS) Events	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter
Default Password usage insights	Advanced	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	Advanced or IPS & Web Filter
<b>Insights</b>						
Account Insights: Failover Report (Account, Group)	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Account Insights: NetCloud Summary Report (Account, Group)	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Network Insights: Data Usage Report	✓	✓	✓	✓	✓	✓
Health Insights: Signal Strength Report	✓	✓	✓	✓	✓	✓
Download Dashboard as CSV or PDF (dashboard dependent)	✓	✓	✓	✓	✓	✓
Save, Schedule, and Share (Email) Custom Reports	✓	✓	✓	✓	✓	✓
<b>Extensibility &amp; Integrations</b>						
NetCloud Container Orchestrator	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
NetCloud-delivered integrations						
Microsoft Azure IoT Central	Standard or Advanced	Advanced	Advanced	Advanced	Standard or Advanced	Standard or Advanced
Palo Alto Networks Prisma Access	✓	✓	✓	✓	✓	✓
CloudShark	✓	✓	✓	✓	✓	✓
Forward Thinking <sup>4</sup>	✓	✓	✓	✓	✓	✓
Custom business applications running at the edge with NetCloud SDK	✓	✓	✓	✓	✓	✓
NetCloud API	✓	✓	✓	✓	✓	✓
Real-Time Kinematic (RTK)	✗	✗	✗	✓	✗	✗
GPS send-to-server						
1 default sentence	✓	✓	✓	✓	✓	✓
5 configurable sentences	✓	✓	✓	✓	✓	✓
<b>Secure Cloud Management &amp; Orchestration</b>						
Individual Device Configuration						
View / Edit Device Configuration	✓	✓	✓	✓	✓	✓
Clear Device Configuration	✓	✓	✓	✓	✓	✓
Remote Reboot	✓	✓	✓	✓	✓	✓

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Restore to Factory Defaults	✓	✓	✓	✓	✓	✓
Export Device List	✓	✓	✓	✓	✓	✓
Group Device Configuration						
View / Edit Group Configuration	✓	✓	✓	✓	✓	✓
Export Group Device List	✓	✓	✓	✓	✓	✓
Group NetCloud OS Updates	✓	✓	✓	✓	✓	✓
Copy Configuration to Group	✓	✓	✓	✓	✓	✓
WAN Network Interface Configuration						
View/Edit Network Interface Configuration	✓	✓	✓	✓	✓	✓
Export Network Interface List	✓	✓	✓	✓	✓	✓
Modem Configuration						
Modem Firmware Visibility & Management	✓	✓	✓	✓	✓	✓
Modem Firmware Updates (one to multiple)	✓	✓	✓	✓	✓	✓
Auto & Manual Modem Carrier Switching	✓	✓	✓	✓	✓	✓
Scheduler						
NetCloud OS Updates	✓	✓	✓	✓	✓	✓
LAN OS	✗	✗	✗	✗	✗	✗
<b>Alerts &amp; Logs</b>						
Alert Management	✓	✓	✓	✓	✓	✓
Alerts via Webhook	✓	✓	✓	✓	✓	✓
Enhanced Logging (user, activity, debug, device, alert)	✓	✓	✓	✓	✓	✓
<b>Accounts &amp; Users</b>						
Manage Users	✓	✓	✓	✓	✓	✓
Manage Permissions	✓	✓	✓	✓	✓	✓
Custom Roles	✓	✓	✓	✓	✓	✓
Identity Federation with SAML 2.0	✓	✓	✓	✓	✓	✓
Access Alias Mapping	✓	✓	✓	✓	✓	✓
Marketplace for in-app purchases	✓	✓	✓	✓	✓	✓
Customer/Partner community access, depending on user type	✓	✓	✓	✓	✓	✓
<b>Artificial Intelligence</b>						

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ANA Tech Docs	✓	✓	✓	✓	✓	✓
ANA Virtual Assistant	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Dynamic Graphs	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
AI Insights	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Device Events / Faults	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Performance Insights	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
<b>Mobile Apps</b>						
NetCloud Verify (installation)	✓	✓	✓	✓	✓	✓
NetCloud Mobile (management)	✓	✓	✓	✓	✓	✓
NetCloud Verify Web App (installation)	✓	✓	✓	✓	✓	✓
Footnotes: <sup>2</sup> Approval & MOQ required for purchase <sup>3</sup> 5GC only <sup>4</sup> Only available in US <sup>5</sup> Only available in EMEA for X10, NetCloud Connect required						