

NetCloud Feature	NetCloud Ruggedized IoT FIPS 140-3		
Endpoint	R920-FIPS	R980-FIPS	R2100-FIPS
<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>	✓	✓
LTE	✓	✓	✓
CBRS	✓	✓	✓
WiFi-as-WAN	✓	✓	✓
Wireless Client	✓	✓	✓
Wired Ethernet	✓	✓	✓
eSIM			
Plastic eSIM	✗	✗	✗
On-Board eSIM	✗	✓	✗
Dual-SIM Dual-Standby (DSDS)	✗	✗	✗
<b>SD-WAN</b>	Title		Title
Single-Sided Architecture (Edge only)			
Static Traffic Steering (Device or Group)	✓	✓	✓
Dual-Ended Architecture (requires NCX Service Gateway or NetCloud SASE)	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>
<b>Enterprise Routing</b>	Title		Title
Static Routes	✓	✓	✓
Policy Routes	✓	✓	✓
OSPF	✓	✓	✓
BGP	✓	✓	✓
BFD	✓	✓	✓
RIP	✓	✓	✓
PIM	✓	✓	✓
Open EIGRP	✗	✗	✗
NHRP	✓	✓	✓
NEMO / DMNR	✓	✓	✓
IP Verify	✓	✓	✓

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<b>LAN</b>	<i>Title</i>		<i>Title</i>
IPv4 & IPv6	✓	✓	✓
Quality of Service (QoS)	✓	✓	✓
Application Aware QoS	✓	✗	✓
DHCP Server / Relay	✓	✓	✓
VRRP	✓	✓	✓
MAC Filtering and Logging	✓	✓	✓
IP Passthrough Mode	✓	✓	✓
Wired 802.1x	✗	✗	✗
STP	✓	✓	✓
LLDP	✓	✓	✓
VLANS	✓	✓	✓
<b>Wi-Fi</b>			
Multiple SSIDs	✓	✓	✓
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	✓	✓	✓
Application Aware Zone Firewall	✗	✗	✗
Basic URL Web Filtering (Permitted/Blocked list)	✓	✓	✓
Available DNS Layer Filtering with Cisco Umbrella	✓	✓	✓
Secure Threat Management (IPS/IDS)	✗	✗	✗
Actionable Alert on Threat Detection	✗	✗	✗
Secure Web Filter	✗	✗	✗
Web Classification and Categorization	✗	✗	✗
Web Reputation	✗	✗	✗

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<b>VPN &amp; Tunneling</b>			
Traditional Edge VPN Protocols & Orchestration			
IPSec	✓	✓	✓
GRE	✓	✓	✓
OpenVPN (SSL VPN )	✓	✓	✓
L2TP	✓	✓	✓
PMIP	✓	✓	✓
DMVPN	✓	✓	✓
Auto-Tunnels	✓	✓	✓
VXLAN	✓	✓	✓
Serial IP/MODBUS	✓	✓	✗
<b>Zero Trust Network</b>			
Site-to-site Based Access Policies (Secure Connect)	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>
Secure Remote Access (ZTNA)	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>
Hybrid Mesh Firewall (HMF)	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>
Advanced Web Services	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>	<a href="#">Zero-Trust Security &amp; SD-WAN</a>
<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)	✓	✓	✓
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	✗	✗	✗
<b>Dashboard Analytics</b>			
Account Dashboard	✓	✓	✓

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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	✓	✓	✓
Location of Serving Cell Tower	✓	✓	✓
GeoFence Alerting	✓	✓	✓
5G/LTE Cellular Coverage Map with filter	✗	✗	✗
Location Tracking	✗	✗	✗
Cellular Data Usage Dashboard (Account)	✓	✓	✓
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)	✗	✗	✗
Health Dashboard (Account, Group, Device)	✓	✓	✓
WAN Uptime (uncategorized)	✗	✗	✗
WAN Uptime (categorized by WAN service type)	✓	✓	✓
Devices Lifecycle (shows where software update is required)	✓	✓	✓
Cellular Health Summary (Account, Device)	✓	✓	✓
Cellular Health Events (Device)	✓	✓	✓
Cellular Health with Live Stats (Device)	✓	✓	✓
Application and Interface WAN Quality of Experience (QoE)	✓	✓	✓
Traffic Steering for Events & Flows	✗	✗	✗
Failover Events Summary	✓	✓	✓
Active Failover Events	✓	✓	✓
License Dashboard (Device)	✓	✓	✓

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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)	✓	✓	✓
Secure Web Filter Summary and Events	✗	✗	✗
Secure Threat Management (IDS/IPS) Events	✗	✗	✗
Default Password usage insights	✓	✓	✓
<b>Insights</b>			
Account Insights: Failover Report (Account, Group)	✓	✓	✓
Account Insights: NetCloud Summary Report (Account, Group)	✓	✓	✓
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	✓	✓	✓
NetCloud-delivered integrations			
Microsoft Azure IoT Central	✓	✓	✓
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	✗	✗	✗

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<b>Secure Cloud Management &amp; Orchestration</b>			
Individual Device Configuration			
View / Edit Device Configuration	✓	✓	✓
Clear Device Configuration	✓	✓	✓
Remote Reboot	✓	✓	✓
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>			
ANA Tech Docs	✓	✓	✓

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ANA Virtual Assistant	✓	✓	✓
Dynamic Graphs	✓	✓	✓
AI Insights	✓	✓	✓
Device Events / Faults	✓	✓	✓
Performance Insights	✓	✓	✓
<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			