

NetCloud Feature	NetCloud Ruggedized IoT			NetCloud IoT		NetCloud IoT Foundation
Endpoint	R920	R980	R2100	S700	S400	S400 ²
WAN						
Carrier Selection Intelligence	✓	✓	✓	✓	✓	✓
Connection Manager						
Load Balancing	✓	✓	✓	✓	✗	✗
Smart WAN Selection	✓	✓	✓	✓	✓	✗
Advanced APN	✓	✓	✓	✓	✓	✓
WAN Verify	✓	✓	✓	✓	✓	✓
Failover/Failback	✓	✓	✓	✓	✓	✓
3rd Party Satellite Integration	✓	✓	✓	✓	✓	✗
WAN Connections						
5G	✓ ²	✓	✓	✗	✗	✗
LTE	✓	✓	✓	✓	✓	✓
CBRS	✓	✓	✓	✗	✓	✓
WiFi-as-WAN	✓	✓	✓	✓	✗	✗
Wireless Client	✓	✓	✓	✓	✓	✓
Wired Ethernet	✓	✓	✓	✓	✓	✓
eSIM						
Plastic eSIM	✗	✗	✗	✓	✓	✓
On-Board eSIM	✗	✓	✗	✗	✗	✗
Dual-SIM Dual-Standby (DSDS)	✗	✗	✗	✗	✗	✗
SD-WAN						
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 & SD-WAN</u>	<u>Zero-Trust Security & SD-WAN</u>	<u>Zero-Trust Security & SD-WAN</u>	<u>Zero-Trust Security & SD-WAN</u>	<u>Zero-Trust Security & SD-WAN</u>	✗
Enterprise Routing						
Static Routes	✓	✓	✓	✓	✓	✓
Policy Routes	✓	✓	✓	✓	✓	✓
OSPF	✓	✓	✓	✓	✗	✗
BGP	✓	✓	✓	✓	✗	✗
BFD	✓	✓	✓	✓	✗	✗
RIP	✓	✓	✓	✓	✗	✗

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

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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	✗	✗	✗	✗	✗	✗
VPN & Tunneling						
Traditional Edge VPN Protocols & Orchestration						
IPSec	✓	✓	✓	✓	✓	✓
GRE	✓	✓	✓	✓	✓	✓
OpenVPN (SSL VPN)	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
L2TP	Advanced	Advanced	Advanced	Advanced	Advanced	✗
PMP	Advanced	Advanced	Advanced	Advanced	Advanced	✗
DMVPN	✓	✓	✓	✓	✓	✗
Auto-Tunnels	Advanced	Advanced	Advanced	Advanced	✗	✗
VXLAN	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Serial IP/MODBUS	✓	✓	✗	✓	✓	✗
Zero Trust Network						
Site-to-site Based Access Policies (Secure Connect)	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	✗
Secure Remote Access (ZTNA)	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	✗
Hybrid Mesh Firewall (HMF)	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	✗
Advanced Web Services	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	Zero-Trust Security & SD WAN	✗
Troubleshooting & Diagnostics						
Out-of-Band Management for access to non-Ericsson Cradlepoint devices with console port	Advanced	Advanced	✗	Advanced	Advanced	✗
In-band management for access to LAN connected 3rd party device UIs	Advanced	Advanced	Advanced	Advanced	Advanced	✗
In-band management for clientless access to LAN connected PC/MAC devices (RDP/VNC)	Advanced	Advanced	Advanced	Advanced	Advanced	✗

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Real-time Device Status via Remote Connect Local UI (router)	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Real-time Network Interface Status via Remote Connect Local UI (router)	Advanced	Advanced	Advanced	Advanced	Advanced	✗
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	✗	✗	✗	✗	✗	✗
Dashboard Analytics						
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)	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Near Real-Time Last Known Map Location Based on GNSS/GPS	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Add Last Known Map Location Manually	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Approximate Last Known Map Location Based on Serving Cell Tower	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Location of Serving Cell Tower	Advanced	Advanced	Advanced	Advanced	Advanced	✗
GeoFence Alerting	Advanced	Advanced	Advanced	Advanced	Advanced	✗
5G/LTE Cellular Coverage Map with filter	✗	✗	✗	✗	✗	✗
Location Tracking	✗	✗	✗	✗	✗	✗
Cellular Data Usage Dashboard (Account)	Advanced	Advanced	Advanced	Advanced	Advanced	✗

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Pooled Carrier Data Usage Analytics, Forecasting, and Alerting	Advanced	Advanced	Advanced	Advanced	Advanced	X
Data Usage Dashboard (Account, Group, Device)						
Usage by WAN and Modem	✓	✓	✓	✓	✓	X
Clients - Connected and Top Users (Account, Group, Device)	Advanced	Advanced	Advanced	Advanced	Advanced	X
Traffic - Categories and Applications (Account, Group, Device)	X	X	X	X	X	X
Health Dashboard (Account, Group, Device)	✓	✓	✓	✓	✓	✓
WAN Uptime (uncategorized)	X	X	X	X	X	X
WAN Uptime (categorized by WAN service type)	Advanced	Advanced	Advanced	Advanced	Advanced	X
Devices Lifecycle (shows where software update is required)	✓	✓	✓	✓	✓	✓
Cellular Health Summary (Account, Device)	Advanced	Advanced	Advanced	Advanced	Advanced	X
Cellular Health Events (Device)	Advanced	Advanced	Advanced	Advanced	Advanced	X
Cellular Health with Live Stats (Device)	✓	✓	✓	✓	✓	X
Application and Interface WAN Quality of Experience (QoE)	Advanced	Advanced	Advanced	Advanced	Advanced	X
Traffic Steering for Events & Flows	X	X	X	X	X	X
Failover Events Summary	Advanced	Advanced	Advanced	Advanced	Advanced	X
Active Failover Events	Advanced	Advanced	Advanced	Advanced	Advanced	X
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)	X	X	X	X	X	X
VPN Monitor	✓	✓	✓	✓	✓	✓
Security Dashboard (Account, Device)	Advanced	Advanced	Advanced	Advanced	Advanced	X

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Secure Web Filter Summary and Events	✗	✗	✗	✗	✗	✗
Secure Threat Management (IDS/IPS) Events	✗	✗	✗	✗	✗	✗
Default Password usage insights	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Insights						
Account Insights: Failover Report (Account, Group)	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Account Insights: NetCloud Summary Report (Account, Group)	Advanced	Advanced	Advanced	Advanced	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	✓	✓	✓	✓	✓	✗
Extensibility & Integrations						
NetCloud Container Orchestrator	Advanced	Advanced	Advanced	✗	✗	✗
NetCloud-delivered integrations						
Microsoft Azure IoT Central	Advanced	Advanced	Advanced	Advanced	Advanced	✗
Palo Alto Networks Prisma Access	✓	✓	✓	✓	✓	✗
CloudShark	✓	✓	✓	✓	✓	✗
Forward Thinking ⁴	✓	✓	✓	✓	✓	✗
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	✗	✗	✗	✗	✗	✗
Secure Cloud Management & Orchestration						
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	✗	✗	✗	✗	✗	✗
Alerts & Logs						
Alert Management	✓	✓	✓	✓	✓	✓
Alerts via Webhook	✓	✓	✓	✓	✓	✗
Enhanced Logging (user, activity, debug, device, alert)	✓	✓	✓	✓	✓	✗
Accounts & Users						
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	✓	✓	✓	✓	✓	✓
Artificial Intelligence						

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