RES HD XR6 Blades

20" deep networking rugged blades

- **Configure and reconfigure as needed**
- **Compact and light weight at 5lbs**
- **Top of rack solution enabling full rack connectivity**
- **Muliple connectivity options ranging from 1 to 100GbE**
- **Compatible with RES HD 2U & 3U and HDslim rugged server chassis**

Specifications for HDN

High Density Networking Switch (HDN)

Height:	1.6" (41mm, 1 slot)
Width:	7 inches (177mm)
Depth:	20.3 inches (515mm)
Weight:	5lbs (2.27kg)

1GBe Ethernet Switch (HDN1)

Ethernet Ports (RJ45):	16 1GbE
Other Ports (RJ45):	2 (serial, ethernet management)
Network:	Layer 2/3
Routing:	IPv4/IPv6 - IP multicast, VLANs, IETF, IEEE, DSL Forum
Quality of Service:	QoS IEEE 802.1 priority tagging, DSCP, traffic queues
Management:	Ethernet (http, telnet, SNMP, and RS232 (CLI)

100GbE Switch (HDN100)

Switch:	Integrated Mellanox SN2010
Ethernet Ports):	18 SFP+/SFP28 10/25GbE + 4 splittable QSFP+/QSFP28 40/100GbE ports
Other Ports (RJ45):	2 (serial, ethernet management)
Throughput:	Non-blocking bidirectional, 1.7 Tb/s
Latency:	300ns for 100GbE, consistent latency
Layer 2/3 Features:	

10/25/40/50/56/100GbE, Multi chassis LAG (MLAG)

802.1W rapid spanning tree, 802.1Q, multiple STP

802.3 ad Link Aggregation (LAG) & LACP

Jumbo frames (9216 Bytes)

IPv4 & IPv6 route maps including BGP4, OSPFv2

BFD (BGP, OSPF, static routes), DHCPv4/v6 Relay

Router port, int VLAN, NULL interface for routing