

ORDERED Tracking information DELIVERED	Model	Supplier	PN	Description	QTY	Cost	Ext Cost	Notes
<b>NI Products</b>								
	Octoclock-G CDA-2990	NI	784306-01	CDA-2990 8 CHANNEL CLOCK DISTRIBUTION ACCESSORY WITH GPS	1		\$0.00	
Add part numbers to shopping cart here	Octoclock CDA-2990	NI	784305-01	CDA-2990,8 CHANNEL CLOCK DISTRIBUTION ACCESSORY	2		\$0.00	
Shopping Cart - National Instruments (ni.com)	USRP-N320	NI	786503-01	USRP N320 (2 TX/RX CHANNELS, 200 MHZ BW) - ETTUS RESEARCH	10		\$0.00	
	USRP-N321	NI	786504-01	USRP N321 (2 TX/RX CHANNELS, 200 MHZ BW, W/LO DISTRIBUTION)	6		\$0.00	
	10Gb SFP Cables	NI	783343-01	10 GIGABIT SFP+ ETHERNET CABLE, 1 M - ETTUS RESEARCH	16		\$0.00	For the x710 Network Card
	.3M SMA to SMA Cable	NI	763444-01	SMA MALE TO SMA MALE CABLE, 50 OHM, 38.1 CM			\$0.00	
	0.6M SMA to SMA Cable & Attenuator	NI	782781-01	2 0.6M SMA-M to SMA-M cables and 2 SMA-F to SMA-M Attenuators			\$0.00	
	2M SMA to SMA Cables	NI	783470-01	CABLE ASSEMBLY, SMA TO SMA, 2M			\$0.00	
	RF Torque Screwdriver and SMA Driver Bit	NI	780895-01	RF Torque Screwdriver and SMA Driver Bit	1		\$0.00	
	USRP N3xx Rack Mount Accessory	NI	786467-01	USRP N3xx Rack Mount Accessory	8		\$0.00	
<b>Server &amp; network cards</b>								
	Server	SuperMicro	4124GS-TNR	Dual AMD EPYC™ 7002 GPU Server	1		\$0.00	
	M.2 storage drive	Amazon	SB-RKT4P-2TB	Sabrent 2TB Rocket 4 Plus NVMe 4.0 Gen4 PCIe M.2 Internal SSD E	8		\$0.00	
	M.2 PCIe controller	Highpoint	SSD7505	HighPoint SSD7505 PCIe 4.0 x16 4-Channel M.2 NVMe RAID Control	2		\$0.00	
	Network Adapter x710 4 SFP+ Ports	CDW	X710DA4FH	Intel Ethernet Converged Network Adapter X710-DA4 - network adapter	4		\$0.00	Either this network card
	Network Adapter e810 2 QSFP+ Ports	CDW	E810CQDA2	Intel Ethernet Network Adapter E810-CQDA2 - network adapter - Pi	2		\$0.00	Or This network card. Do not mix.
	QSFP28 to SFP28	CDW	MCP7F00-A002R30N	Mellanox LinkX 100GBase direct attach cable - 6.6 ft	4		\$0.00	For the e810 Network Card
<b>Rack Assembly</b>								
	42U Open Frame Rack Enclosure Server Cabinet 3000lb Capacity	CDW	SR42UBEXPND		1		\$0.00	
	1U Adjustable Mount Depth Heavy Duty Vented Rack Mount Shelf	CDW- StarTech	ADJSHLFHDV		2		\$0.00	
	APC rack shelf - 1U	CDW- APC	AR8125		2		\$0.00	
	Rackmount extension bracket	CDW	B018-000-1P5		8		\$0.00	
	HW1032-50 Cage	Rackmount Solutions	HW1032-50 Cage	Screws, Cage Nuts, Washers	5			
	Relay Rack or 4 Post Rack Cabinet.	IAENCLOSURES.COM	IAB103V10-1U	IAB103V10-1U 1U 3 inch Rack Extender for Industrial Standard 19 in	8		\$0.00	
	Vented Server Rack Mount Shelf	StarTech	ADJSHLF	StarTech.com 1U Adjustable Vented Server Rack Mount Shelf - 175l	1		\$0.00	
	Tripp Lite Rack Enclosure Server Blanking Panel Kit	CDW- Tripp-Lite	3849592	Tripp Lite Rack Enclosure Server Cabinet 4 Piece Blanking Panel Kit	1		\$0.00	
	Side Panel for SR42UB Rack Enclosure with Key Lock Latch	Amazon	SR42SIDE	Tripp Lite SR42SIDE Side Panel for SR42UB Rack Enclosure with Key	4		\$0.00	
	Black Slotted-Duct Raceway	Amazon	RMT312A	Black Box 2.25" H x 1.5" W, 72" L Black Slotted-Duct Raceway	2		\$0.00	
<b>Rack Devices</b>								
	Network Switch	Amazon	Cisco SG110-24		1		\$0.00	
	Basic Power Distribution Unit	CDW	PDU1220	Tripp Lite PDU Single Phase Basic Horizontal 120V 2.4kw 13 5-15/2	1		\$0.00	
	Switched Power Distribution Unit	CDW	PDU MH20NET	Tripp Lite PDU Switched 120V 20A 5-15/20R 16 Outlet 1URM	1		\$0.00	
	8 way power splitter/combiner	Mini Circuits	ZN8PD1-63W-S+		8		\$0.00	
	4 way power splitter/combiner	Mini Circuits	ZN4PD1-63HP-S+		2		\$0.00	
	KVM Rack Console			Discretion of the User				
	Stanley 31610 SurgeMax Pro 9 Outlet Metal Surge Protector, Black	Stanley / Amazon	31610	Stanley 31610 SurgeMax Pro 9 Outlet Metal Surge Protector, Black	2		\$0.00	
<b>Cables &amp; Management</b>								
	Cat 6 RJ45 Cables	Amazon	160021-5x5		5		\$0.00	
	10' power cable	CDW	P006-010	Tripp Lite Computer Power Extension Cord Adapter 10A 18AWG 5-1	12		\$0.00	
	6' power cable	CDW	P006-006	Tripp Lite Computer Power Extension Cord Adapter 10A 18AWG 5-1	12		\$0.00	
	Cable ties	amazon	91140	VELCRO Brand ONE-WRAP Cable Ties   100Pk   8 x 1/2" Black Cord	1		\$0.00	
	TR Industrial Multi-Purpose UV Resistant Black Cable Ties, 8 inches, 100 Pac	TR Industrial	TR88302	TR Industrial Multi-Purpose UV Resistant Black Cable Ties, 8 inches,	4		\$0.00	
	TR Industrial Multi-Purpose UV Resistant Black Cable Ties, 12 inches, 100 Pa	TR Industrial	TR88303	TR Industrial Multi-Purpose UV Resistant Black Cable Ties, 12 inches,	4		\$0.00	
	3M Double Sided Tape	3M	793869899112	3M Double Sided Tape, 3M Heavy Duty Mounting Waterproof VHB	2		\$0.00	

**Total \$0.00**

42		42	
41		41	
40		40	
39		39	
38		38	
37		37	
36		36	
35		35	
34		34	
33		33	
32		32	
31		31	
30	Basic PDU	30	mount to back
29	Network Switch	29	mount to back
28		28	
27		27	
26	Server	26	
25		25	
24	KVM	24	
23		23	
22	N320_0	22	
21		21	
20	N320_2	20	
19	Octoclock CDA-2990 unit1	19	mount to back
18	Shelf for cables unit0	18	mount to front
17		17	
16	N320_4	16	
15		15	
14	N320_6	14	
13	Octoclock-G CDA-2990 unit0	13	mount to back
12	Shelf for cables unit1	12	mount to front
11		11	
10	N320_8	10	
9		9	
8	N320_10	8	
7	Octoclock CDA-2990 unit2	7	mount to back
6	Shelf for cables unit2	6	mount to front
5		5	
4	N320_12	4	
3		3	
2	N320_14	2	
1	Switched PDU	1	mount to back

18	Shelf for cables unit0	18
	8-way-splitter unit 0    8-way-splitter unit 1	
	8-way-splitter unit 2    8-way-splitter unit 3	
12	Shelf for cables unit1	12
	4-way-splitter unit 0    4-way-splitter unit 1	
6	Shelf for cables unit2	6
	8-way-splitter unit 4    8-way-splitter unit 5	
	8-way-splitter unit 6    8-way-splitter unit 7	

OctoClock



8-way-splitter



4-way-splitter



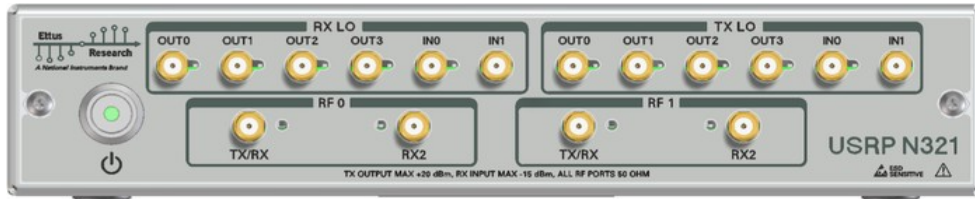
n320 front



n320 back



n321 front



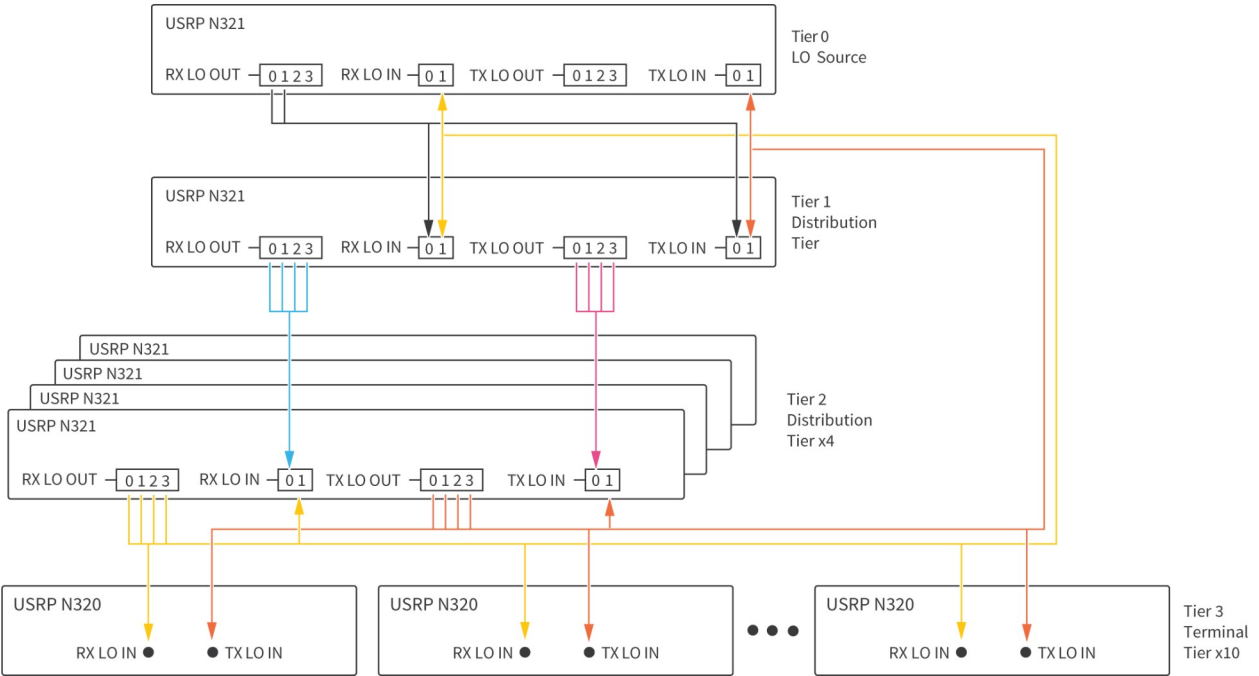
n321 back



Source	USRP	Serial #	Ethernet	mgmt_addr	SFP0
	3		enp193s0f3	10.0.126.13	192.168.80.2

Distributor	USRP	Serial #	Ethernet	mgmt_addr	SFP0
	7		enp1s0fv3	10.0.126.20	192.168.20.2

Distributor	USRP	Serial #	Ethernet	mgmt_addr	SFP0
	1		enp193s0f1	10.0.126.21	192.168.60.2
	5		enp1s0f1	10.0.126.12	192.168.40.2
	9		enp37s0f1	10.0.126.36	192.168.12.2
	13		enp225s0f1	10.0.126.32	192.168.16.2



Terminal	USRP	Serial #	Ethernet	mgmt_addr	SFP0
0			Enp193s0f0	10.0.126.14	192.168.50.2
2			Enp193s0f2	10.0.126.22	192.168.70.2
4			enp1s0f0	10.0.126.17	192.168.30.2
6			enp1s0f2	10.0.126.23	192.168.10.2
8			enp37s0f0	10.0.126.35	192.168.11.2

Terminal	USRP	Serial #	Ethernet	mgmt_addr	SFP0
10			enp37s0f2	10.0.126.37	192.168.13.2
11			enp37s0f3	10.0.126.34	192.168.14.2
12			enp225s0f0	10.0.126.30	192.168.15.2
14			enp225s0f2	10.0.126.28	192.168.17.2
15			enp225s0f3	10.0.126.31	192.168.18.2

status	Item	Serial number	Rack position
	Octoclock-G CDA-2990 unit0		13
	Octoclock CDA-2990 unit1		19
	Octoclock CDA-2990 unit2		7
	USRP_N320_0		22
	USRP_N321_1		23
	USRP_N320_2		20
	USRP_N321_3		21
	USRP_N320_4		16
	USRP_N321_5		17
	USRP_N320_6		14
	USRP_N321_7		15
	USRP_N320_8		10
	USRP_N321_9		11
	USRP_N320_10		8
	USRP_N320_11		9
	USRP_N320_12		4
	USRP_N321_13		5
	USRP_N320_14		2
	USRP_N320_15		3
	Server		25,26,27,28
	Network Switch		29
	Basic Power Distribution Unit		30
	Switched Power Distribution Unit		1
	KVM Rack Console		24
	APC rack shelf unit0	N/A	18
	APC rack shelf unit1	N/A	12
	APC rack shelf unit2	N/A	6
	8 way power splitter unit 0	N/A	18
	8 way power splitter unit 1	N/A	18
	8 way power splitter unit 2	N/A	18
	8 way power splitter unit 3	N/A	18
	8 way power splitter unit 4	N/A	6
	8 way power splitter unit 5	N/A	6
	8 way power splitter unit 6	N/A	6
	8 way power splitter unit 7	N/A	6
	4 way power splitter unit 0	N/A	12
	4 way power splitter unit 1	N/A	12