

Small Form Factor (SFF)



No CPU

Sidekiq MiniPCle

GPS ✕



- 45M - 6GHz
- 50 MHz
- 60 dB
- 2 Rx/ 1 Tx
- PCIe
- 12 bit
- 2 W
- 8 dB NF

0.3 oz./ 8 g

Sidekiq M.2

GPS ✕



- 45M - 6GHz
- 50 MHz
- 60 dB
- 2 Rx/ 2 Tx
- PCIe
- 12 bit
- 2 W
- 8 dB NF

0.2 oz./ 6 g

Sidekiq NVM2

GPS ✕



- 10M - 6GHz
- 50 MHz
- 75 dB
- 2 Rx/ 2 Tx
- PCIe
- 16 bit
- 3.5 W
- 16 dB NF

0.3 oz./ 9 g

Sidekiq X4

GPS ✕



- 1M - 6GHz
- 450 MHz
- 75 dB
- 4 Rx/ 4 Tx
- JESD
- 16 bit
- 11 W
- 8 dB NF

2.7 oz./ 77 g

With CPU

Sidekiq Z2

GPS ✕



- 45M - 6GHz
- 50 MHz
- 60 dB
- 1 Rx/ 1Tx
- USB
- 12 bit
- 2 W
- 8 dB NF

0.3 oz./ 8 g

Sidekiq Stretch

GPS ✓



CE

- 45M - 6GHz
- 50 MHz
- 60 dB
- 1 Rx/ 1Tx
- PCIe
- 12 bit
- 2.5 W
- 8 dB NF

0.3 oz./ 9 g

Sidekiq NV100

GPS ✓



- 10M - 6GHz
- 50 MHz
- 75 dB
- 2 Rx/ 2Tx
- PCIe^[2]
- 16 bit
- 5 W^[2]
- 5 dB NF

0.3 oz./ 9 g

- Key:
- GPS Disciplined Oscillator, yes/no
 - Weight
 - Fmin - Fmax, Hz
 - Max IBW, MHz, might combine channels
 - SFDR, dB
 - Max Rx/ Max Tx channels, usually not simultaneously
 - Signal output interface
 - Rx bits
 - Power consumption, typ.
 - NF = noise figure

More Information:
• www.epiqsolutions.com
• info@epiqsolutions.com



(Epiq Solutions Homepage)

SOSA/CMOSS

No CPU, Flexible^[1]

VPX400

GPS ✕



- 1M - 6GHz
- 450 MHz
- 75 dB
- 4 Rx/ 4Tx
- PCIe/ Ethernet
- 16 bit
- 40 W
- 8 dB NF

1.1 lb./ 0.5 kg

High Performance Streaming, no CPU

NDR374

GPS ✕



- 2M - 8GHz
- 125 MHz
- 90 dB
- 4 Rx
- Ethernet
- 16 bit
- 60 W
- 15 dB NF

2 lb./ 0.9 kg

NDR585

GPS ✕



Tuner

- 20M - 18GHz
- 500 MHz
- 100 dB
- 4 Rx
- RF
- (No bits)
- 48 W
- 15 dB NF

2 lb./ 0.9 kg

CPU/GPU-Enabled

VNX+ Dev Platform

GPS ✓



NEW

- 10M - 6GHz
- 50 MHz
- 75 dB
- 4 Rx/ 4 Tx^[3]
- Ethernet
- 16 bit
- 40 W
- 5 dB NF

5.5 lb./ 2.5 kg

RF Distribution & Cal

RF Distribution

NDR505

GPS ✕



Features:

- Feeds multiple antenna sets into a four channel SDR
- 475 MHz to 18.5GHz banded coverage

2.9 lb./ 1.3 kg

40 GHz Downconverter

NDR504

GPS ✕



Features:

- Inputs 18 to 40 GHz
- 4 Rx
- Crazy small
- Output <18 GHz
- Cal input

45 W
2.5 lb./ 1.1 kg 12 dB NF

CPU = Available processor capable of running Linux etc. for customer use. ^[1] SOSA-aligned or Libsidekiq flexible. ^[2] Thunderkiq NV100: 5-7 W, Thunderbolt 3

Platforms - SFF

With CPU

Matchstiq Z2

GPS ✕
CE



- 45M – 6GHz
- 50 MHz
- 60 dB
- 1 Rx/ 1Tx
- USB
- 12 bit
- 2.5 W
- 8 dB NF

3.2 oz./ 91 g

Matchstiq Z3u

GPS ✓



- 45M – 6GHz
- 50 MHz
- 60 dB
- 2 Rx/ 1Tx
- USB
- 12 bit
- 4.5 W
- 8 dB NF

5.6 oz./ 160 g

NEW

Matchstiq Z4

GPS ✓



- 10M – 6GHz
- 50 MHz
- 70 dB
- 4 Rx/ 4Tx
- USB
- 16 bit
- 10-20 W
- 8 dB NF

1.2 lb./ 550 g

Platforms

High-Performance Streaming, no CPU

Sidekiq NV800

GPS ✓



- 10M – 6GHz
- 50 MHz
- 75 dB
- 8 Rx/ 1Tx
- Ethernet
- 16 bit
- 25 W
- 7 dB NF

3.7 lb./ 1.7 kg

NEW

NDR684

GPS ✕

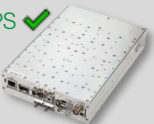


- 1M – 18GHz
- 500 MHz
- 80+ dB
- 4 Rx
- Ethernet
- 14 bit
- 73 W
- 12 dB NF

5.4 lb./ 2.5 kg

NDR364

GPS ✓



- 20M – 6GHz
- 125 MHz
- 90 dB
- 4 Rx
- Ethernet
- 16 bit
- 38 W
- 14 dB NF

3.5 lb./ 1.6 kg

NDR318

GPS ✓



- 2M – 6GHz
- 40 MHz
- 90 dB
- 8 Rx
- Ethernet
- 14 bit
- 47 W
- 10-14 dB NF

6.5 lb./ 3 kg

CPU-Enabled

NDR325

GPS ✕



- 20M – 6GHz
- 500 MHz
- 90 dB
- 4 Rx
- MAIM
- 14 bit
- 67 W
- 13 dB NF

2.2 lb./ 1 kg

NEW

Matchstiq V40

GPS ✓



- 1M – 9GHz
- 2,000 MHz
- 70 dB
- 1 Rx/ 1 Tx^[4]
- Ethernet
- 12-16 bit
- 40 W
- 8-12 dB NF

2.2 lb./ 1 kg

CPU/ GPU-Enabled

Matchstiq G20
Matchstiq G40

GPS ✓
CE



- 10M – 6GHz
- 50 MHz
- 75 dB
- 4 Rx/ 4 Tx^[3]
- Ethernet
- 16 bit
- 25/ 30 W
- 5 dB NF

2 lb./ 0.9 kg

Matchstiq X40

GPS ✓
CE



- 1M - 6/18GHz
- 450 MHz
- 75 dB
- 4 Rx/ 2/1 Tx
- Ethernet
- 16 bit
- 50/ 65 W
- 12 dB NF

2.6 lb./ 1.2 kg

High-Performance Rackmount

High-Performance Streaming, no CPU

NDR358

GPS ✕



- 20M – 6GHz
- 80 MHz
- 90 dB
- 8 Rx
- Ethernet
- 16 bit
- 145 W
- 14 dB NF

22 lb./ 10 kg

NDR818

GPS ✕
CE



- 2M – 6GHz
- 40 MHz
- 90 dB
- 8 Rx
- Ethernet
- 14 bit
- 47 W
- 10-14 dB NF

22 lb./ 10 kg

NDR551

GPS ✕

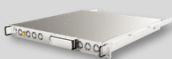


- 20M – 18GHz
- 80 MHz
- 90 dB
- 4 Rx
- Ethernet
- 16 bit
- 175 W
- 16 dB NF

23 lb./ 10.4 kg

NDR562

GPS ✕



- 20M – 18GHz
- 500 MHz
- 90 dB
- 1 Rx
- Ethernet
- 16 bit
- 100 W
- 16 dB NF

22 lb./ 10 kg

NDR888

GPS ✕
Tuner



- 20M – 18GHz
- 500 MHz
- 90 dB
- 8 Rx (4 option)
- RF
- (no bits)
- 48 W
- 15 dB NF

17 lb./ 7.7 kg

Key:

- GPS Disciplined Oscillator, yes/no
- Weight
- Fmin - Fmax, Hz
- Max IBW, MHz, might combine channels
- SFDR, dB
- Max Rx/ Max Tx channels, usually not simultaneously
- Signal output interface
- Rx bits
- Power consumption, typ.
- NF = noise figure

CPU = Available processor capable of running Linux etc. for customer use. ^[3] G20: 2 Rx/ 2 Tx & SSD ^[4] Receiver channel has flexible channelization