



- 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


Small Form Factor (SFF)

No CPU

Sidekiq MiniPCle

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

GPS ✗




0.3 oz./ 8 g

Sidekiq M.2

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

GPS ✗



0.2 oz./ 6 g

Sidekiq NVM2

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

GPS ✗



0.3 oz./ 9 g

Sidekiq X4

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

GPS ✗




2.7 oz./ 77 g

With CPU

Sidekiq Z2

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

GPS ✗



0.3 oz./ 8 g

Sidekiq Stretch

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

GPS ✓



0.3 oz./ 9 g

Sidekiq NV100

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

GPS ✓



0.3 oz./ 9 g

More Information:

- www.epiqsolutions.com
- info@epiqsolutions.com



SOSA/CMOSS

No CPU, Flexible^[1]

VPX400

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

GPS ✗



1.1 lb./ 0.5 kg

No CPU

VPX410

- **1M - 18GHz**
- **1,000 MHz**
- **70 dB**
- **4 Rx/ 1Tx**
- RF
- (No bits)
- **20 W**
- **12 dB NF**

GPS ✗



1.2 lb./ 0.5 kg

RF Distribution & Cal

RF Distribution

NDR505

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

GPS ✗




2.9 lb./ 1.3 kg

High Performance Streaming, no CPU

NDR374

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

GPS ✗



2 lb./ 0.9 kg

NDR585

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

GPS ✗



2 lb./ 0.9 kg

40 GHz Downconverter

NDR504

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

GPS ✗



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

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

GPS ✗



3.2 oz./ 91 g

Matchstiq Z3u

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

GPS ✓



5.6 oz./ 160 g

NEW

Matchstiq Z4

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

GPS ✓



1.2 lb./ 550 g


Platforms

High Performance Streaming, no CPU

Sideiq NV800

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

GPS ✓




3.7 lb./ 1.7 kg

NDR364

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

GPS ✓




3.5 lb./ 1.6 kg

NDR318

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

GPS ✓




6.5 lb./ 3 kg

CPU-Enabled

NDR325

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

GPS ✗




2.2 lb./ 1 kg

NEW

Matchstiq V40

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

GPS ✓




2.2 lb./ 1 kg

Matchstiq G20

Matchstiq G40

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

GPS ✓




2 lb./ 0.9 kg

Matchstiq X40

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

GPS ✓



2.6 lb./ 1.2 kg


High Performance Rackmount

High Performance Streaming, no CPU

NDR358

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

GPS ✗




22 lb./ 10 kg

NDR818

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

GPS ✗




22 lb./ 10 kg

NDR551

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

GPS ✗




23 lb./ 10.4 kg

NDR562

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

GPS ✗




22 lb./ 10 kg

NDR888

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

GPS ✗

Tuner



17 lb./ 7.7 kg

Key:

- GPS Disciplined Oscillator, yes/no
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- Fmin - Fmax, Hz
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- 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