

Small Form Factor (SFF)



No CPU

Sidekiq MiniPCle



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

Sidekiq M.2



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

Sidekiq NVM2



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

Sidekiq X4



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

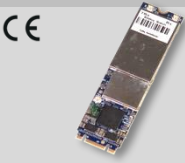
With CPU

Sidekiq Z2



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

Sidekiq Stretch



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

Sidekiq NV100



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

Key:

- Fmax, GHz
- 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



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

No CPU

VPX410



Tuner

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

High Performance Streaming, no CPU

NDR374



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

NDR585



Tuner

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

NDR664



Tuner

- **18** GHz
- **500** MHz
- **90 dB**
- 2 Rx/ 2 Tx
- RF
- (No bits)
- 48 W
- **15 dB NF**

RF Distribution & Cal

RF Distribution

NDR505



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

40 GHz Downconverter

NDR504



45 W
12 dB NF

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

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



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

Matchstiq Z3u



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

Matchstiq Z4



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

Platforms



High Performance Streaming, no CPU

Sidekiq NV800



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

NDR364



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

NDR318



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

CPU-Enabled

NDR325



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

Matchstiq V40



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

CPU/ GPU-Enabled

Matchstiq G20
Matchstiq G40



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

Matchstiq X40



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

High Performance Rackmount

High Performance Streaming, no CPU

NDR358



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

NDR818



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

NDR551



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

NDR562



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

NDR888



Tuner

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

Key:

- Fmax, GHz
- 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