

Perfect fit - modular designed solutions

Spectrum Instrumentation, founded in 1989, uses a unique modular concept to design and produce a wide range of more than 200 digitizers and generator products as PC-cards (PCIe and PXIe) and stand-alone Ethernet units (LXI). In 35 years, Spectrum has gained customers all around the world, including many A-brand industry-leaders and practically all prestigious universities.

#### 144 different digitizers



SERIES: M5i.33xx (7 models) 10 GS/s speed TYPE: PCle x16 with 12 bit

SPEED: 3.2 GS/s to 10 GS/s

CHANNELS: 1 or 2 13.9 GB/s streaming



SERIES: M4i.22xx (9 models) TYPE: PCle x8 with 8 bit SPEED: 1.25 GS/s to 5 GS/s CHANNELS: 1 to 4

SERIES: M4i.44xx (8 models) TYPE: PCle x8 with 14 to 16 bit SPEED: 180 MS/s to 500 MS/s CHANNELS: 1 to 4

SERIES: M2p.59xx (24 models) TYPE: PCle x4 with 16 bit SPEED: 5 MS/s to 125 MS/s CHANNELS: 1 to 8

SERIES: M4x.22xx (9 models) TYPE: PXIe x4 with 8 bit SPEED: 1.25 GS/s to 5 GS/s CHANNELS: 1 to 4

SERIES: M4x.44xx (8 models) TYPE: PXIe x4 with 14 to 16 bit SPEED: 130 MS/s to 500 MS/s CHANNELS: 1 to 4

SERIES: DN2.xxx (39 models) TYPE: LXI-Ethernet with 8 to 16 bit SPEED: 5 MS/s to 10 GS/s 10 GS/s speed CHANNELS: 1 to 16

SERIES: DN6.xxx (40 models) TYPE: LXI-Ethernet with 8 to 16 bit

SPEED: 5 MS/s to 5 GS/s CHANNELS: 12 to 48

### 67 different AWGs (Arbitrary Waveform Generators)



SERIES: M5i.63xx (6 models) TYPE: PCle x16 with 16 bit SPEED: 3.2 GS/s to 10 GS/s CHANNELS: 1 or 2

3.9 GHz bandwidth 10 GB/s streaming



SERIES: M4x.66xx (5 models) TYPE: PXIe x4 with 16 bit SPEED: 625 MS/s to 1.25 GS/s CHANNELS: 1 to 4



SERIES: M4i.66xx (5 models) TYPE: PCle x8 with 16 bit SPEED: 625 MS/s to 1.25 GS/s

CHANNELS: 1 to 4



SERIES: DN2.6xx (21 models) TYPE: LXI-Ethernet with 16 bit SPEED: 40 MS/s to 10 GS/s 10 GS/s speed 3.9 GHz bandwidth

CHANNELS: 1 to 16



SERIES: M2p.65xx (14 models) TYPE: PCle x4 with 16 bit SPEED: 40 MS/s to 125 MS/s CHANNELS: 1 to 8

SERIES: DN6.6xx (16 models) TYPE: LXI-Ethernet with 16 bit SPEED: 40 MS/s to 1.25 GS/s CHANNELS: 6 to 48

# 12 different DDS Generators - with up to 50 DDS cores per channel

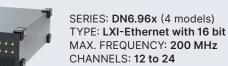


SERIES: M4i.96xx (3 models) TYPE: PCle x8 with 16 bit MAX. FREQUENCY: 200 MHz CHANNELS: 1 to 4

SERIES: M4x.96xx (2 models) TYPE: PCle x4 with 16 bit MAX. FREQUENCY: 200 MHz CHANNELS: 2 to 4



SERIES: DN2.96x (3 models) TYPE: LXI-Ethernet with 16 bit MAX. FREQUENCY: 200 MHz CHANNELS: 2 to 8



# **AWG & digitizer in one box**



SERIES: DN2.8xx (6 models) TYPE: LXI-Ethernet with 16 bit SPEED: 40 MS/s to 125 MS/s CHANNELS: 2+2, 4+4 or 8+8



SERIES: DN2.82x (8 models) TYPE: LXI-Ethernet with 14 to 16 bit SPEED: 180 MS/s to 1.25 GS/s CHANNELS: 2+2 or 4+4

### **Digital Data Acquisition & Digital I/O**



SERIES: M4i.77xx (5 models)

TYPE: PCle x8

SPEED: 125 Mbit/s to 720 Mbit/s CHANNELS: 32 (Digital Acquisition)



SERIES: M2p.7515 (1 model)

TYPE: PCle x4 SPEED: 125 Mbit/s

CHANNELS: 32 (Digital Input/Output)

