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NAT-SDR-FLEX

The fast-growing number of applications available for wireless services is followed by a growing demand for wireless equipment which can be easily customized for a specific use case.

In order to facilitate a maximum in flexibility and reliability paired with the ability to quickly react to a fast-changing wireless world, most of these appliances are based on software configurable equipment, also known as Software Defined Radio (SDR).

NAT developed the **NATwireless** technology, a combination of versatile configurable software and flexible adaptable hardware. It represents a concept of a central radio unit, which allows configuration and control of frequency, bandwidth, and signal strength entirely by software. Thus, it ensures that the equipment can be easily tailored to exactly meet the requirements of the respective application on all levels:

- Hardware modularity at unit (board) level
- Hardware scalability at system level
- Re-usable software core elements for different use cases

NATwireless is available both as COTS board level product (**NAT-AMC-ZYNQUP-SDR4/8**), as well as turn-key system ready for deployment, e.g. as eNB or gNB for private networks. For a quick and easy start, NAT has defined three **NAT-SDR-FLEX** turnkey systems available off-the-shelf.

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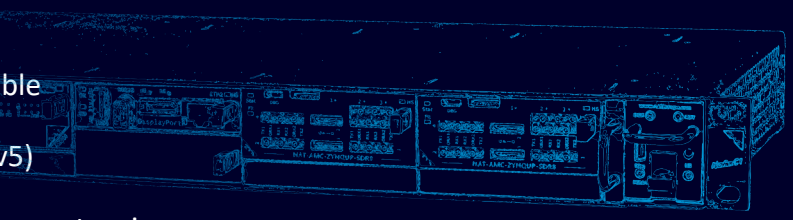
NAT-SDR-FLEX-S

- Compact MTCA system
  incl. 150WAC open frame PM and NAT-eMCH
- 1x **NAT-AMC-ZYNQUP-SDR8**
  incl. mini-coax-to-SMA adapter cable
- 1x PrAMC (Intel® Xeon® E3-1500 v5)

NAT-SDR-FLEX-M

- 1x **NATIVE-C1**
- 1x **NAT-MCH** for system management and switching
- 1x **NAT-PM-AC600**
- 2x **NAT-AMC-ZYNQUP-SDR8**
  incl. mini-coax-to-SMA adapter cable
- 1x PrAMC (Intel® Xeon® E3-1500 v5)
- 1x spare AMC slot for further system extension



NAT-SDR-FLEX-L

- 1x **NATIVE-C3-PTM**
- 2x **NAT-MCH** for system management and switching
- 2x **NAT-PM-AC600**
- 2x **NAT-AMC-ZYNQUP-SDR8**
  incl. mini-coax-to-SMA adapter cable
- 1x PrAMC (Intel® Xeon® E3-1500 v5)
- 7x spare AMC slots for further system extension
  + 2x spare slots each for PTMs and PMs

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