



cuBB Installation Guide

This section describes how to install the Aerial cuBB.

Important Terms

Term or Abbreviation	Definition
Aerial	SDK that accelerates 5G RAN functions with NVIDIA GPUs
cuBB	CUDA GPU software libraries/tools that accelerate 5G RAN compute-intensive processing
cuPHY	CUDA 5G PHY layer software library for the cuBB
cuPHY-CP	cuPHY control-plane software
cuMAC	CUDA-based platform for accelerating 5G/6G MAC layer scheduler functions with NVIDIA GPUs
HDF5	A data file format used for storing test vectors. The HDF5 software library provides the functions for reading and writing the test vectors.
CMake	A software tool for configuring the makefiles for building the CUDA examples (see https://cmake.org/)
DPDK	Data Plane Development Kit
CX6-DX	Mellanox ConnectX6-DX NIC

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