



cuBB Quickstart Guide

This section explains how to run the Aerial cuBB software examples.

Important Terms

Term or Abbreviation	Definition
Aerial	Software suite 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 of the cuBB
cuPHY-CP	cuPHY control-plane software
HDF5	A data file format used for storing test vectors. The HDF5 software library provides the functions for reading and writing test vectors.
CMake	A software tool for configuring the makefiles for building the CUDA examples (https://cmake.org/)
DPDK	Data Plane Development Kit
DOCA	DOCA is a software framework that helps developers create applications and services on top of the NVIDIA BlueField networking platform.
GDR	GPUDirect RDMA
FH	Fronthaul
TV	Test Vector

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