

FLOSS - Free Libre & Open Source Software

Perception & GEN Series Firmware

Version v8.80

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Besides a high degree of own developed software code, HBM has been using Free, Libre and Open Source Software (FLOSS) to realize all functions of the GHS Data Acquisition System and the accompanying Perception PC software. The system basically consists of a mainframe (housing, power supply and backplane) with installed front panel or communication processor and an assembly of various connection boards and amplifier boards based on the customer's requirement.

The following gives an overview about the FLOSS used and the relevant license model.

Even though the list has been produced for the current GHS firmware and Perception, the software components are unlikely to change in the future, based on the fact, that all FLOSS software components are related to GHS's core system architecture.

1 Perception Software Component

Table 1.1: Perception Software List

Packages	License Model
cJSON	MIT
NewtonSoft.Json	MIT
Ooura's algorithm	Artistic-2.0
Microsoft.Azure.KeyVault.Core	MIT
WindowsAzure.Storage	Apache-2.0
ListViewPrinterBase	ListViewPrinterBase License
Microsoft.Data.Edm	Microsoft Software License Terms
Microsoft.Data.OData	Microsoft Software License Terms
Microsoft.Data.Services.Client	Microsoft Software License Terms
System.ComponentModel.EventBasedAsync	Microsoft Software License Terms
System.Dynamic.Runtime	Microsoft Software License Terms
System.Net.Requests	Microsoft Software License Terms
System.Spatial	Microsoft Software License Terms
LZ4	BSD-2-Clause