



Portable High-Speed ARINC 615-3 DataLoader Cable-Kit Device



Features

- Supports ARINC 429, ARINC 615-3, ARINC 615A (optional)
- High speed data loading engine
- Compatible with all major aircraft (Airbus/Boeing)
- Extremely compact and robust
- Professional equipment with most economic advantages
- Can be attached to any type of host PC – Pilots PC, EFB, GSE PC,...
- State-of-the-art technology



General Overview

Operators organize their management of FLS in different and individual approaches depending on (field loadable software) the size of the fleet, the operational requirements or simply existing infra-structure. The 1.44 MB floppy-disk is getting obsolete and even more modern physical media like the USB-stick do hardly fit into this modern IT world.

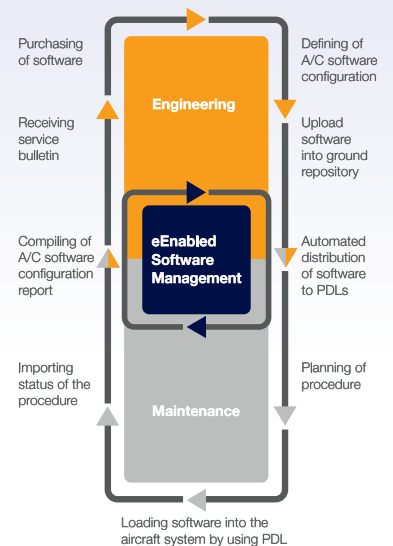
An economic way to overcome these legacy media is to use the available PC and a state-of-the-art portable data loader. PCs are everywhere: In the cockpit, in maintenance shops and repair & overhaul stations. These usually ruggedized

PCs are used for as many different tasks as possible – Data loading included.

The ÆSyBus Loader is designed and manufactured based on well proven, industrial components reflecting the current status of the technical standard of digital data handling. It is the most economic and modern approach for professional data loading of commercial aircraft.

It only requires a single USB 2.0 connection to any Windows PC in order to perform data loading of any airborne LRU using A429, A615-3 or A615 (optional).

Process Flow of eESM



It consists of:

- ÆSyBus PDL-Engine Software running on user-supplied notebook PC
- ÆSyBus ARINC-429-USB hardware device
- ARINC 615-3 load cable and ARINC 603 adapter stub-cable
- Ruggedized case

The software:

ÆSyBus PDL-Engine – the powerful, high speed data loading engine running on user-supplied (notebook) PC, turning any mbs A429 hardware into a powerful PDL, compatible with all major aircraft (Airbus/Boeing)

The hardware:

ÆSyBus 429-USB device

mbs' pocket size ARINC 429 to USB Interface module was designed primarily to support portable applications and in particular Portable Data Loaders (PDLs) which operate in accordance with

ARINC 429, 615-3 and ARINC 615A specifications. It features 4 Tx + 8 Rx channels + 4 Rx loop-back + 4 function discretes.

ARINC 615-3 load cable and ARINC 603 adapter stub-cable

The ARINC 615-3/4 load cable uses a 44-pin miniature SUB-D connector to attach to the ÆSyBus 429-USB.



eEnabled Software Management „eESM“ – the innovation project of Lufthansa Technik

consists of three parts, using state-of-the-art technology, forming the all-encompassing solution:

The PDL-Adapter, the Portable Data Loader (PDL) and the eESM software configuration management tool.

eESM is provided by Corena Deutschland GmbH. mbs provides the ÆSyBus PDL-Adapter and the ÆSyBus Portable Data Loader family.

ÆSyBus USB-Loader Ordering Information

Part Number	Description
Æ-USB-Loader	USB data loader cable-kit device

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