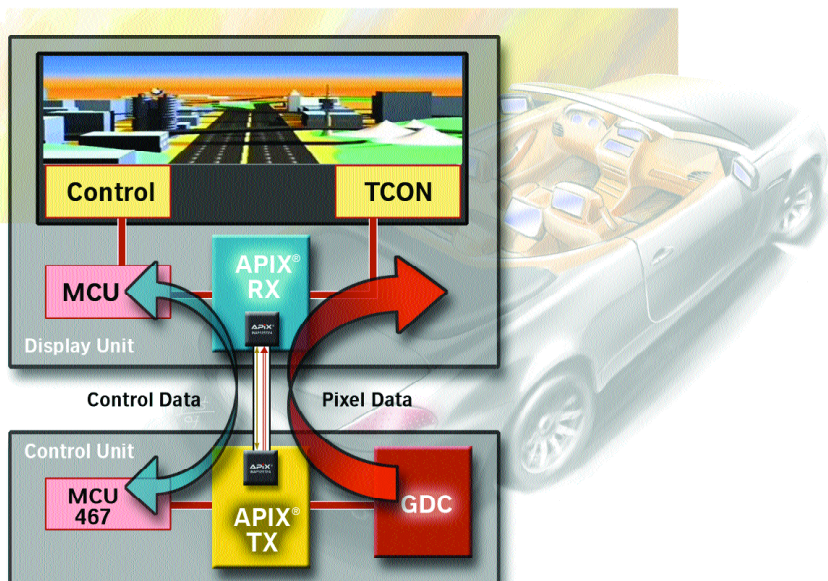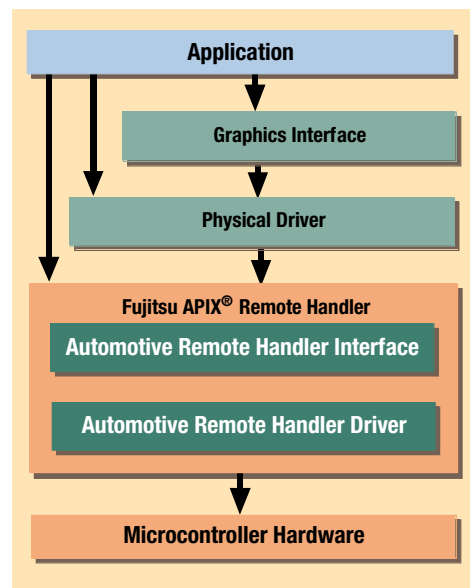FUJITSU

THE POSSIBILITIES ARE INFINITE

# APIX® REMOTE HANDLER – Remote access via the high-speed Automotive Pixel Link (APIX®)



Display system architecture.



Fujitsu APIX® Remote Handler software.

## Description

Fujitsu has equipped its 32-bit FR MCUs of the MB91460S series with the automotive APIX® serial interface. The APIX® interface is uniquely designed by Inova Semiconductors and is licensed in order to add an innovative serial interface for driver displays to Fujitsu's product portfolio.

Fujitsu has additionally equipped the APIX® interface with unique and powerful hardware acceleration for the secure handling and control of the remote peripheral hardware. The bi-directional communication allows high speed uni-directional pixel data downstream and a bi-directional data stream for remote peripheral control.

Fujitsu now offers the perfectly matched APIX® Remote Handler software, which enables the customer to use the Fujitsu automotive APIX® hardware acceleration to its full extent. Without any further software development, this next-generation interface enables an immediate ramp-up and fast start-up.

## Features

- APIX® Remote Handler includes a complete driver and interface
- The function set provided by the Remote Handler Interface enables conventional peripheral drivers to wrap local register access to remote communication access
- Support of read and write transfers to and from remote memory locations
- Read and write access in blocks as well as single Byte, half-word and word data width are supported
- Transfers are supported in synchronous and asynchronous communication mode
- Remote event handling to react to interrupts from remote peripherals
- Bulk read and write access is supported (DMA included)
- A configuration concept is used for the interface and driver to provide a way to flexibly adjust system settings
- Support of error handling
- Softune Workbench samples are available for immediate and smooth start-up

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THE POSSIBILITIES ARE INFINITE

## Application area

- Automotive
  - Body
  - Instrumentation
  - Multimedia
- Industrial
  - Control
  - Automation
  - Human-Machine-Interface

## Software package content

- Fujitsu APIX® Remote Handler software
  - APIX® Remote Handler Interface
  - APIX® Remote Handler Driver
  - Documentation (API and functional description)
  - Softune Workbench samples to demonstrate features and usage

## Supported devices

32-bit FR MCUs of the MB91460S series

## Availability

Available soon

## Ordering information

Fujitsu APIX® Remote Handler software

| Order Number | Description |
|---|---|
| SW-ARH-DRV-91460-001-E | APIX® Remote Handler MB91460S Evaluation Licence |
| SW-ARH-DRV-91460-001-T | APIX® Remote Handler MB91460S Prototype-Licence for SW-development |
| SW-ARH-DRV-91460-001-S | APIX® Remote Handler MB91460S Series-Production-Licence |

**APIX®**

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**ASK FUJITSU MICROELECTRONICS EUROPE**

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