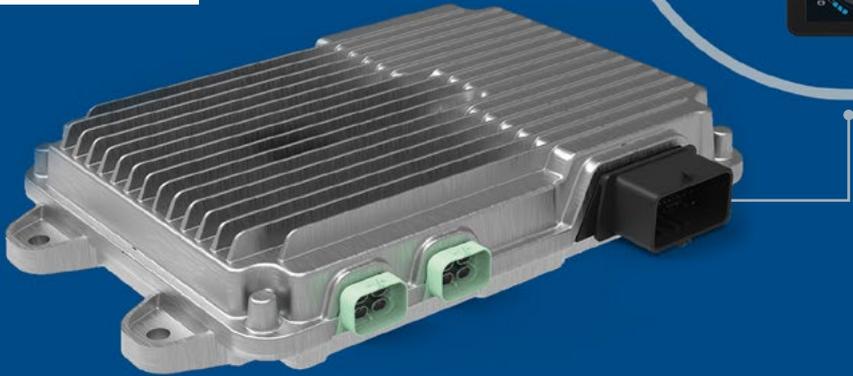


AGRI SIC SYSTEM



A SINGLE COMPUTER FOR A MULTI-DISPLAY SYSTEM

Agri SIC is a complete in-vehicle system for off-highway vehicle applications, featuring an intelligent central unit that can manage and control all the displays, sharing data and contents.

INNOVATIVE CHARACTER

Thanks to the high performance of the main unit, Agri SIC allows the use of very compact and small displays for simplified layout.

STATE-OF-THE-ART

The Agri SIC is able to integrate specific agriculture functionalities and to manage complex services and functions simultaneously.

SPECIAL FEATURES / ADVANTAGES

The system features the latest technologies available, a fast boot time and a layered security architecture.



GENERAL DEVICE CHARACTERISTICS

CPU

NXP i.MX 8QuadMax
 4 ARM Cortex™ – A53
 2 ARM Cortex™ – M4F
 2 ARM Cortex™ – A72
 Dual Vivante GC7000XSVX 3D GPU
 Tensilica HiFi 4 DSP

MEMORY

Flash 16 GB Mass storage
 DDR4 4 GB
 NOR 256 MB

CONNECTIVITY

Support for phone mirroring technologies over USB

HOUSING

Material: aluminium
 Dimension: 250x188x54 mm

I/O

2 low-side drivers
 2 high-side drivers
 2 digital inputs

PERIPHERALS

4 CAN, 1 LIN
 2 USB 2.0 (1 with battery charging feature) and 1 USB 3.0 with battery charging feature
 4 FPD-Link™ III digital video outputs (up to 1920x1080 pixel)
 2 PAL/NTSC analog video inputs
 4 BroadR-Reach® Automotive Ethernet (100/1000 BaseT1)
 1 stereo line audio output
 2 RS232

POWER SUPPLY

Extended range 9-32 Vdc

FUNCTIONALITIES

Multistyle/configurable graphics
 Complex animations and 3D effects
 Trip computer and typical IC algorithms
 Vehicle diagnostic and vehicle status
 Telltales, warning messages and sounds
 Notifications (vehicle, network)
 Menu and settings
 Multimedia player capability

Hypervisor-enabled platform for domain separation

Drives up to 4 displays

Linux optimized for automotive

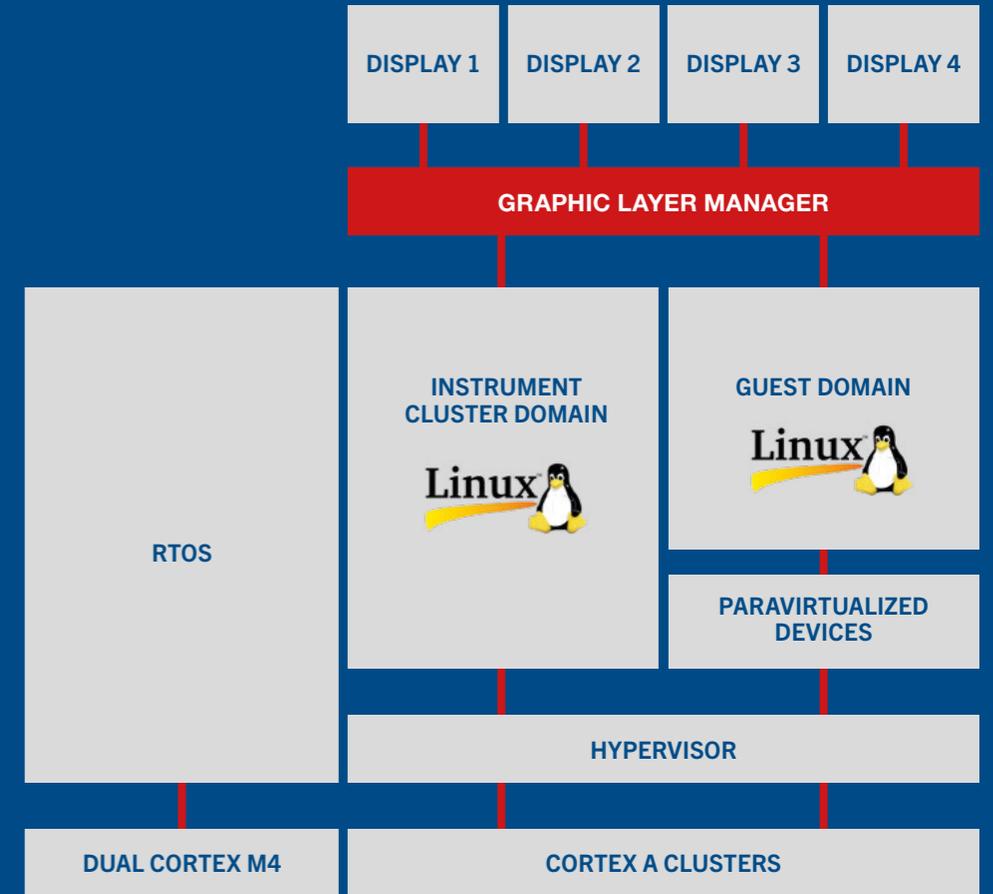
RTOS for vehicle network management

Layered security architecture

Fast boot time

Support for smartphone integration over USB

Integrated ISOBUS library



THE COMPLETE SYSTEM

To complete the system MTA can provide appropriate displays too. The displays feature high quality functional levels and operational reliability even in harsh environmental conditions, and, to cope with the current trend in the design of interiors, needing a great aesthetic appeal, MTA supplies 10" and 12" Super Fine TFT.



12.1" DISPLAY

TFT FEATURES

Size: 12.1" Super Fine TFT (SFT)
Multitouch screen
Resolution: 1280 x 800 pixels x 16.7M colors
Contrast ratio (typical): 1000:1 at Ta = 25 °C
Normally black
Luminance (typical): 1000 cd/m²
Viewing angle: 88/88/88/88 °
Storage temperature: -40 to +85 °C
Operating temperature: -30 to +80 °C
IMDS, Reach, ROHS compliant

PROTECTIVE GLASS FEATURES

Soda lime cover glass with optical bonding
Circular sun glass polarizer
Thickness: 1.8 mm
Surface hardness: 6H

TOUCH

Multi touch (minimum 10 points)
Touch with gloves > 1.5 mm

VIDEO INTERFACE

FPD-Link® III

10.25" DISPLAY

TFT FEATURES

Size: 10.25" (IPS)
Resolution: 1920x720 pixels x 16.7M colors
Contrast ratio (typical): 1400:1 at Ta = 25 °C
Normally black
Luminance (typical): 1000 cd/m²
Viewing angle (typical): 85/85/85/85 °
Storage temperature: -40 to +90 °C
Operating temperature: -30 to +85 °C
IMDS, Reach, ROHS compliant

PROTECTIVE GLASS FEATURES

Soda lime cover glass with optical bonding
Thickness: 1.8 mm
Surface hardness: 6H

VIDEO INTERFACE

FPD-Link® III



www.mta.it



AGRI SIC
Version 3.1
October 2023

DISCLAIMER – Products, information, drawings, specifications and reference numbers (hereafter “contents”) discussed herein are for reference purposes only. All contents herein are provided on an “as is” basis, without warranties of any kind. The contents discussed herein remain the sole and exclusive property of MTA S.p.A. and shall not be copied, translated in whole or in part without MTA S.p.A. prior written consent. No license of any patent, copyright, mask work, trademark or any other intellectual property right is granted under this document, by implication, estoppel or otherwise. Contents may be modified and changed by MTA S.p.A. without any notice. For updates or additional information about MTA products, please contact your nearest MTA office. All brand names, trademarks and registered trademarks belong to their respective owners.