

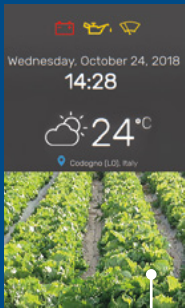


AGRI SIC

A SINGLE COMPUTER FOR
A MULTI-DISPLAY SYSTEM



INFO DISPLAY



INSTRUMENT CLUSTER



AGRI-IVI DISPLAY



CAMERA VIEW DISPLAY



VEHICLE NETWORK

SECURE DOMAIN

APPLICATION DOMAIN

CONNECTIVITY



GENERAL DEVICE CHARACTERISTICS

CPU

Texas Instrument Jacinto 6

2 ARM Cortex™ – A15

2 ARM Cortex™ – M4

Dual-core POWERVR™ SGX544-MPx 3D GPU

2 digital signal processors (DSP C66x)

MEMORY

eMMC (up to 256 GB)

DDR3 (up to 4 GB)

NOR 128 MB

CONNECTIVITY

Bluetooth 4.2 (available from 2020)

WiFi (hotspot, internet connection sharing)

Cellular connection with internal SIM on chip (LTE)

Analog and digital radio module (AM, FM, DAB, DAB+), diversity option available

MFi Apple authentication coprocessor chip

Positioning: GNSS with automotive dead reckoning (GLONASS, GPS/QZSS, BeiDou, Galileo ready)

PERIPHERALS

2 CAN, 2 LIN, analog/digital inputs/outputs

3 USB connection with battery charging feature

4 FPD-Link III digital video outputs (up to 1920x1080 pixel)

4 FPD-Link III digital video inputs

4 PAL/NTSC analog video inputs

2 BroadR-Reach Automotive Ethernet

4 audio output for acoustic system

4 stereo MIC IN

HOUSING

1DIN 75490 compliance box

Active cooling

FUNCTIONALITIES

INSTRUMENT CLUSTER

Multistyle/configurable graphics

Complex animations and 3D effects

Trip computer and typical IC algorithms

Vehicle diagnostic and vehicle status

Telltails, warning messages and sounds

ISO 25119 safety features available

Infotainment mirroring

Notifications (vehicle, network, calls, SMS)

Menu and settings

ADDITIONAL DISPLAYS

Surround view system

Smartphone integration/mirroring

Multimedia player

FM/AM – DAB+

Internet connection and streaming

Phone hand free

Calls and text messages

Text to speech

Over the air updates

Drives up to 4 full high definition displays

Linux optimized for automotive

AUTOSAR for vehicle network management

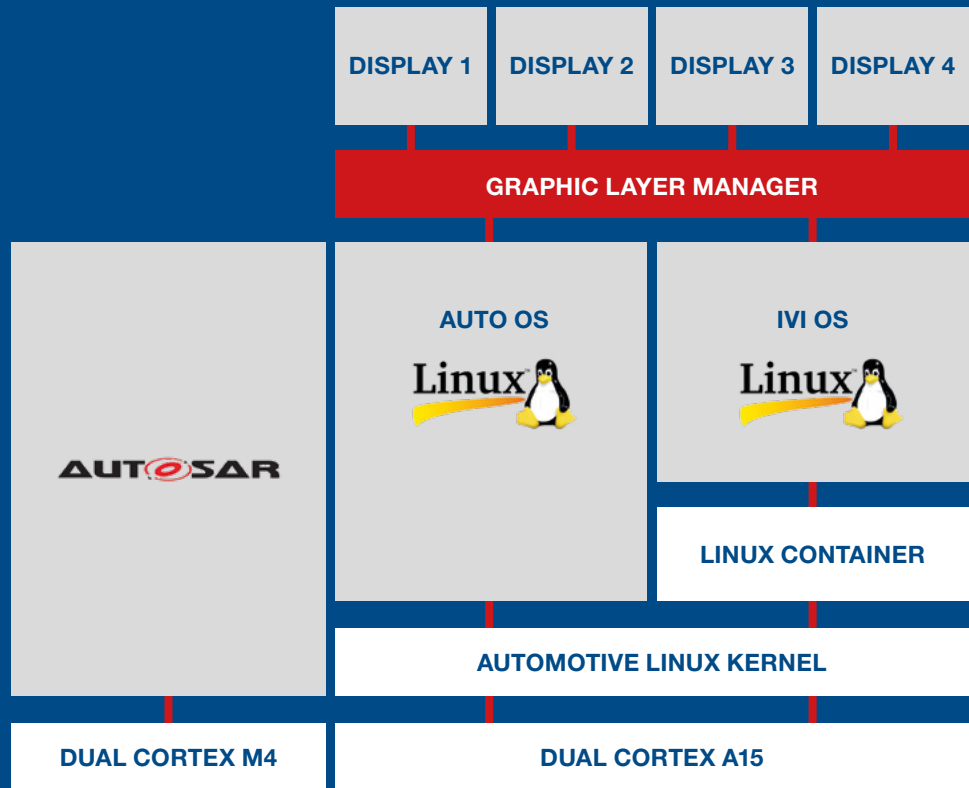
Layered security architecture

Latest features and updates over the air

Fast boot time (less than 2 seconds)

Support for smartphone integration

Certifications: IATF, ISO 16750, FCC, CE, ROHS





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