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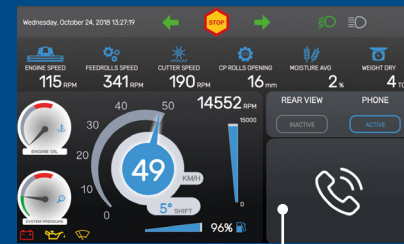
A SINGLE COMPUTER FOR
A MULTI-DISPLAY SYSTEM



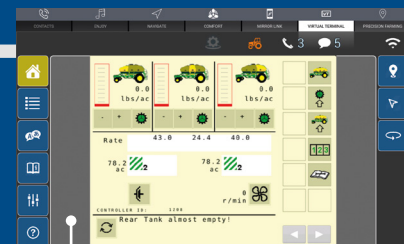
DISPLAY



INSTRUMENT CLUSTER



DISPLAY



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 connections 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 outputs for acoustic system
4 stereo MIC IN

HOUSING

1 DIN 75490 compliance box
Active cooling

Drives up to 4 full high-definition displays

Linux optimized for automotive

AUTOSAR for vehicle network management

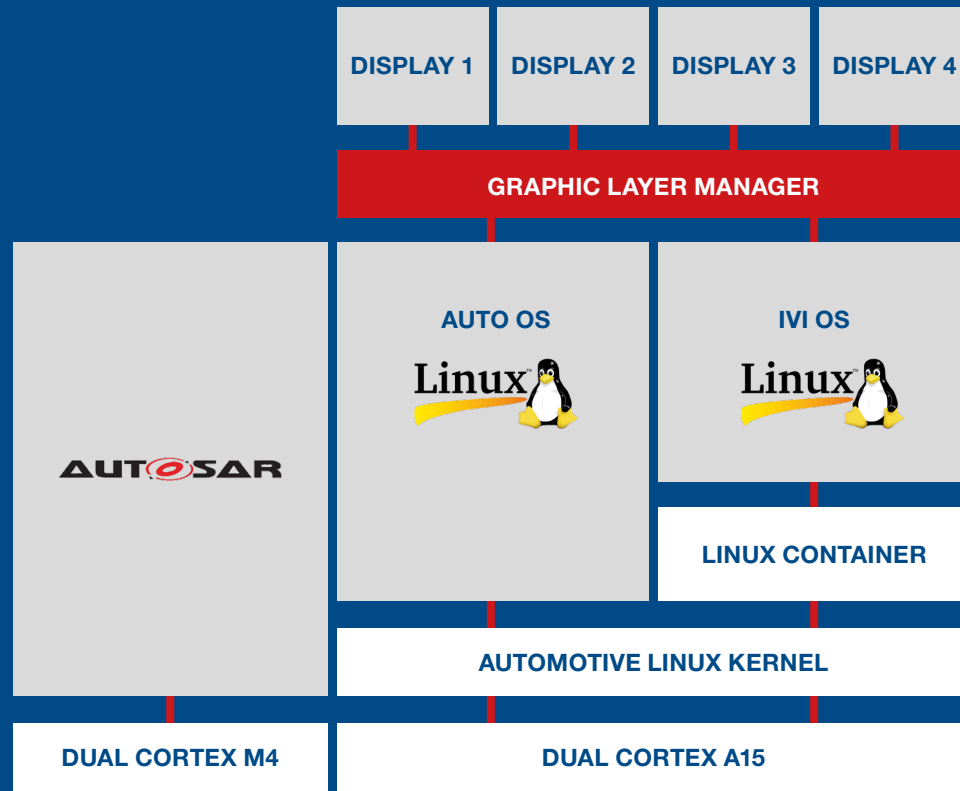
Layered security architecture

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



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
- Hands-free phone
- Calls and text messages
- Text to speech
- Over the air updates



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