



- Open Architecture
- Freescale i.MX355 ARM11
- @ 532MHz
- GNSS + ADR
- 3G HSPA + Wireless Data
- 3-Axis Accelerometer sensor
- Ethernet & WLAN
- Sunit-TLINK Vehicle-interface Application
- 2 x CAN, Analog & Digital-I/O's, Speed-In
- 9 ... 36V Core-Pwr. Watch-dock
- Status-LED's
- 4xProgrammable (R/G/R/G)
- 1XFixed for MCU



IoT-TERMINAL FOR OPEN-ARCHITECTURE COMPUTING

SUNIT-iVia IoT-Terminal is purpose-designed for Demanding environments within Industry, Fleet and Machinery.

3G Penta-Band modem with dual-SIM ensures all-time-access.

The IoT-Interface have 2 x CAN-Bus, 7 x Digital-In, 4 x Digital-Out, 4 x Analog-In for 9...36V systems.

For serial communication there is RS232 and USB 2.0 interfaces.

SUNIT-iVia improves the service-grade by an accurate 3D Accelerometer sensor for impacts and vibrations.

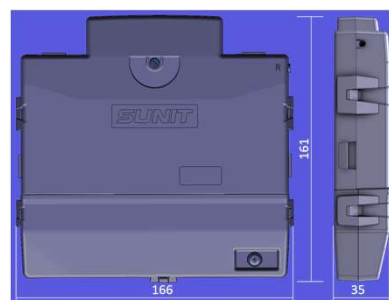
Inbuilt Multi-GNSS compliant 32-channel satellite receiver (GPS/Galileo and Glonass).

Long Life-time is ensured by Industry-standard Conformal-coated Electronics.

SUNIT-I

ALL-IN-ONE PANEL-PC

- Open Architecture HMI-PC
- Powerful Freescale i.MX53 Quick-start Core
- 512MB SDRAM, 512MB NAND
- Supports 2D and 3D Graphics
- Touch Interface
- Full Digital LCD Screen
- Loud Speakers
- Stative / Vesa Mounting
- Wide temperature
- Ethernet
- IGN-Start
- Intelligent Power-moding
- 9 ... 36V / Core-Pwr. monitoriy
- USB, LAN



Wide-viewing SUNIT-I All-in-One Panel-PC connected to Sunit-iVia makes IoT-Terminal to a Client-server on Duty.

An Open Architecture (OA) Computer can be easily updated and adapted to the future needs, it is trusted and desired.

An Open Architecture makes both maintenance, service development and deployment easier, so the Life-cost of a modern Application is decreased.

SUNIT in Brief—Focus on Client Entrepreneur

Over 20 year's core-focus on tough computers and deep knowledge of client-demands has brought us prime expertise in technology.

We demand ourselves deep knowledge of the Clients entrepreneur and we strive to bring the long-term technology into his ICT.

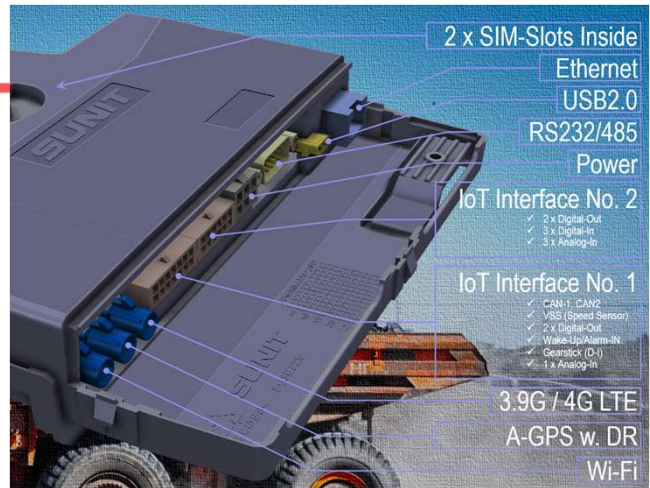
Our technology connects OAC - Open Architecture Computing to IoT - Internet of Things with Powerful Processing.

Our Products are covered by Industry Standard ISO-16750, UNECE-Regulations and Environmental Standards.

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Technical Sheet

CPU	Processor Freescale i.MX355 @ 532MHz, L2 Cache 128kB, ARM11 T-LINK: ATxmega128A. 32MHz. 128kB Flash
RAM	Low-Power DDR 256 MB @ 200MHz T-LINK: 8KB
Storage	NAND Flash 512 MB. Option 4 GB SD / SDHC card slot. Smart-Card (USB CCID) support
O/S	Windows CE 6.0 R3, Linux-Ubuntu O/S LTS 15.04
Screen Interface	LAN
Screen Type	See our Intelligent Screens; SUNIT-I Series In-Vehicle Touch Monitor
Ethernet	10/100BASE TX, RJ45 LAN Connector
USB	USB 2.0 (OTG, Micro USB A+B)
SIM-slot	2 x SIM-Slots
Serial	1 x RS232 (DB9 Male)
Wi-Fi (Option)	Redpine RS9110-N-11-02. IEEE 802.11b/g/h/i, draft 802.11 n/k, Client
IGN-Sense	Automotive 4-state Power Management. 9V ... 36V
CAN	2 x CAN 2.0 A/B, i.MX 355, 2 x SN65HVD1050
Digital-IN	3 x High-Active Digital Ins (+IGN) (API-Rewrite via T-LINK): · 10V ... 36V, Logic-H +11V, Internal Pull-Downs. · Pre-start / Wake-Up of System on Arctic conditions. 3 x Low-Active Digital In (API-Rewrite via T-LINK): · 0V ... 36V, Logic-H +5V, Internal Pull-Ups. · VSS (Vehicle Speed Sensor); Max 4 kHz · VDS (Vehicle Direction-Sense); Gear-Shift
Digital-Out	4 x Digital-Out. Voltage Level due to Power-Input. Short-Circuit and Inductive-Load Protected
Analog-IN	4 x Analog in: 1 x 0...50VDC 3 x 0...10VDC
Gyro / Acc.	3-AXIS (X-Y-Z) LOW G Digital Accelerometer with Jolt & Pulse detections.
GNSS	Accurate 32 Channel GNSS Architecture (GPS/Galileo/Glonass).
Modem Integrated	3.9G: Quad Band GPRS/EDGE: 850 / 900 / 1800 / 1900 MHz Penta Band HSPA+: 800/850 / 900 / AWS1700 / 1900 / 2100
Power-In	9 ... 36VDC.
Power Back-Up	Internal, Back-Up Battery for Abrupt Power Interrupt controlling Power-Shut Down of Applications.
Dimensions	(W)166, (L) 161, (H) 40 mm Incl. Mounting Kit. Weight 1kg.
Casing & Body	PC/ABS / Cycloy-2950 / V0+UV / 76701.
Compliant	ECE 10R-04, ISO-16750, FCC CE WEEE 2002/96/EG, RoHS 2002/95/EC, REACH 2006/121/EC
Environment	-40°C ... +85°C. Temperature monitored. 0%~90% Relative Humidity.
The product meets all the Vehicle, Machinery and Industrial Environmental criteria's worldwide and is Quality tested by member of International Laboratory Accreditation Cooperation (ILAC)	



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