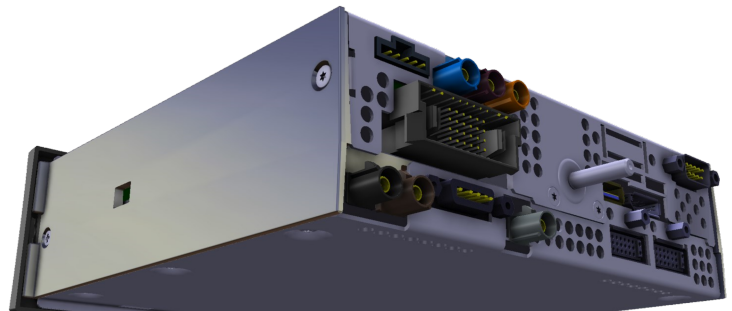


SUNIT-FC2

Low-energy Industry Computer

- ✓ 3rd Gen Wide-temperature Intel® IVY-Bridge
- ✓ Celeron 927UE 1,5 GHz ULV
- ✓ Intel HD Tri-graphic
- ✓ Smart Tri-Screen Technology
- ✓ Tough Smart-Tech CPU-Server
- ✓ Accurate AGPS + (ADR)
- ✓ 1 x Video
- ✓ 2 x CAN-Bus
- ✓ Digital and Analog I/O's, Frequency-In
- ✓ 3G HSPA / 4G / LTE
- ✓ Stereo-Lines, Audio-I/O
- ✓ Embedded Dual-Computing for IoT-Interface
- ✓ Intelligent Power-Moding
- ✓ 9 ... 36V / Core-Pwr. monitory



SUNIT-FC2, member of our F2-family, is a powerful Low-Energy Computer for On-Board and Industry.

Tough and light-weighted mechanics build on a geometrical cast aluminium technology and purpose-designed conformal coated electronics ensures our well-known long In-Service time even on harshest conditions.

For accurate positioning, Dual-GPS/GNNS with Automotive Dead Reckoning (ADR) by 70-channel Super-sense GPS ensures all-time positioning.

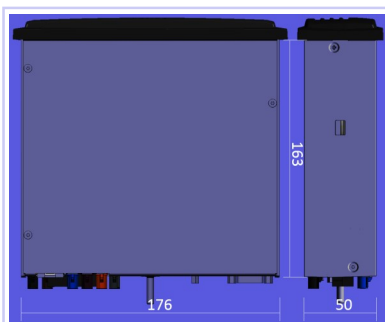
High-speed Modem with Dual-SIM, Dual-stream Wi-Fi with Access-Point and Bluetooth 4.2BLE serves safe Communication toward Back-office and In-Cabin devices.

Gigabit Ethernet efforts rapid nearby Network.

Sunit-FC2 is excellent server for Application for demanding Heavy duties and is compliant with Industry Standard ISO-16750 and is E-Certified.



Sunit-FC2 connected to **Sunit Wide-view digital Touch-screen** delivers safe and reliable Monitor for versatile HMI



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.

www.sunit.fi

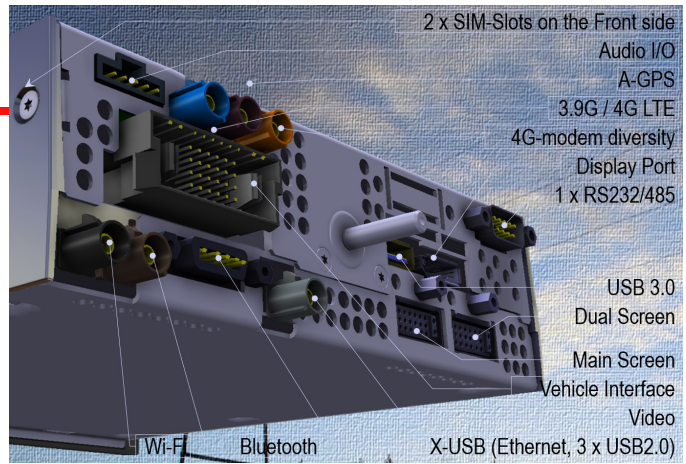
marketing@sunit.fi



SUNIT-FC2

Low-energy Industry Computer

Data Sheet



CPU	3rd Gen. Intel® Celeron™ 927UE Low Voltage, 1.5GHz, Smart Cache 1MB, DMI 5GT/s. Intel HM76 Express Rapid technology Chipset. T-LINK; Fujitsu MB91F469G 32Bit, 533MHz, 212kB Flash
RAM	Dual Channel 4GB DDR33/1600MHz. T-LINK; 1024kB NVRAM
System Bus	Mobile Intel® HM76 Express. Flexible Display Interface (FDI) and Direct Media Interface (DMI). Intel® HD Audio.
Storage	60 GB Automotive & Wide-temp. SSD. Optional 120G, 180, 240, 480 GB. SATA-III.
O/S	Win 7 Pro, Win WES8, Win 8.1 Pro, Win 10 Pro, Linux Debian 8.0, Linux Ubuntu 15.04.
Graphics	3 rd Generation Intel® HD 3D-Graphics Controller. Dynamics Frequency 350MHz-1GHz. Open-GL(2.1), Direct-X(DX10), Shared Model(SM4.0) & Dynamic Frequency Scaling.
Video	Intel® Dynamic Video Memory Technology up to 1GB
Audio	3 x : <ul style="list-style-type: none"> • Audio on Screens. • Intel® High Definition Audio Line-Out. Wake-UP signal for External Amplifier • 2 x 30W Speaker lines, Stereo.
Microphone	Microphone-In.
Screen Interface	Dual Screen Interfaces: 1 x EMI-Shielded, Sunit Touch Digital-LVDS Displays, 1 x Display-Port
Screen Type	1 x Sunit Digital Screen (See Specifications) 1 x Universal CCTV Monitor Display Port
Ethernet	Intel 82579LM 64Bit Technology. IEE 802.3 Gigabit LAN. 10/100/1000 Base-T, PCIe. RJ45 LAN Connector, via Sunit-designed MDR-Cable for Close-to-User Access
USB	4 x USB: 1 x USB 3.0 (CPU) plus 3 x USB 2.0 via MDR-Cable for Close-to-Access
SIM-slot	Dual-SIM: 1 x Front Feed plus 1 x Integrated to Card
Video-In	1 x Conexant CX23885 PCI-E Video Decoder. Automatic A/V-standard detection and configuration. NTSC, PAL, SECAM.
Serial Int.	1 x (Option 4x) Configurable RS232 / RS485 (Termination by SW settings)
Wi-Fi	Intel® Dual-Band Wireless AC-7260, up to 867Mb/sec. Data Link Protocol: 802.11a/b/g/n/ac. Compliant Standards: IEEE 802.11abgn/ac/d/e/i/h/w. Antenna In-Cabin: 2,4GHz / 1,5dBi. Antenna Outdoor for On-the-Go connections: 2,4GHz / 5dBi
Bluetooth	Bluetooth 4.0 Low-energy. Access-Point for WIN7 / WIN8; WPA2-PSK/AES Standard. Dual-Mode 2.1, 2.1+EDR, 3.0, 3.0+HS, 4.0(BLE). Antenna In-Cabin: 2,4GHzZ / 1,5dBi. Antenna Outdoor for On-the-Go connections: 2,4GHz / 5dBi
IGN-Sense	Intelligent 4-state Power-Moding. 9V 36V. API-Read via T-LINK
CAN	2 x High-Speed CAN: SAE J1939, FMS-Protocol, ISO 11783 and NMEA 2000. API-ReWrite via T-LINK.
Digital-IN	4 x High-Active Digital-In: 10V ... 36V, Logic-H +11V, Internal Pull-Downs. API-Read via T-LINK Pre-start / Wake-Up of System on Arctic conditions. 3 x Low-Active Digital-In: 0V ... 36V, Logic-H +5V, Internal Pull-Ups. API-Read via T-LINK 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 API-Write via T-LINK Short-Circuit and Inductive-Load Protected
Analog-IN	4 x Analog-In: 1 x 0...50VDC. API-Read via T-LINK 3 x 0...10VDC
Gyro	GPS-Integrated Gyroscope. API-Readable via T-LINK for Driving Sense applications.
GNSS	Rapid 50-Channel A-GPS receiver (GPS/Galileo/Glonass). ADR (Automotive Dead Reckoning); Gyroscope, VSS & VDS-Sensors. Dual-channel Readable; API via T-LINK and Direct-Access.
Integrated Tele comm.	3.9G: Quad Band GPRS/EDGE: 850 / 900 / 1800 / 1900 MHz Penta Band HSPA+: 800/850 / 900 / AWS1700 / 1900 / 2100, RX Diversity 4G: LTE: 800 / 900 / 1800 / 2100 / 2600 MHz WCDMA: 8950 / 900 / 1900 / 2100 MHz, RX Diversity Quad Band GSM/GPRS/EDGE: 900 / 1800 / 1900 MHz
Power-In	9 ... 36VDC. API-Read via T-LINK
Back-Up	Internal, Non-Explosive Back-Up Battery NiMh (Nickel-Metal-Hybrid) for Abrupt Power Interrupts. Intelligent Shut Down of Applications and Shut-Off the Unit. ADR-Powering up-to 1 hr.
Dimensions	Universal 1-DIN Sized (163 x 177 x 50) mm. Weight 2,4kg.
Casing & Body	Geometry-designed impact protective Aluminium Body. High-density Steel cover.
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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Specifications subject to change without notice