

FQ5T

- Intel® Core i5 7442EQ
- Skylake 4 x 1.9GHz

FDQ7

- Intel® Core i7 6822EQ
- Skylake 4 x 2.0GHz

FMD7

- Intel® i7 7820EQ
- Kaby Lake H 4 x 3.0GHz

- Intel HD Tri-graphic
- 2 x GigaBit-Ethernet
- 2 x Screen Interfaces
- 1x Video
- 2 x GB-Ethernet for multiple Gateways
- Dual-Band Wi-Fi & BT4.2, 4G / LTE, Dual-SIM
- Screen-Audio
- 2 x CAN, D-IO's, Analog-In's
- Accurate 72-channels 3D GNSS
- 3D-Gyro
- Vehicles; VSS, Gearshift sense, FMS
- Intelligent Power-Moding
- 9 ... 36V / Core-Power monitoriy



COMPUTER FOR INTELLIGENT LOGISTICS & RECOGNITIONS

Intelligent Logistics solutions in Terminals and Ports are a fast growing industry and is streamlining industrial material and container handling to the top. Logistics planning is refined, the terminal transport system is automated, image recognition and data processing is exactly, correct and available in Real-time. The Environmental footprint is minimized.

The In-Fleet and Handling-Unit Management systems requires reliable hardware for seamless computerizing , communication and positioning. The identification of the material & containers must be reliable and precisely tracked.

SUNIT-FQT Serial in answer for Intelligent Logistics on industry demanding rigorous tolerance in harsh world. It's special designed to meet the requirements of User-assistance but as well as a Stand-alone Server.

Robust mounting kit, cast aluminium body, industry standard connectors and antenna technology with 20 years of experience offer a long in-field service life.

Dual GB-Ethernet offers a number of possible uses for Industry and Automotive purposes. Heavy graphical traffic, as HD-Video claims one-to-one Gateways with powerful processing capacity. SUNIT-FQT serial computers suits excellent on the service.



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.

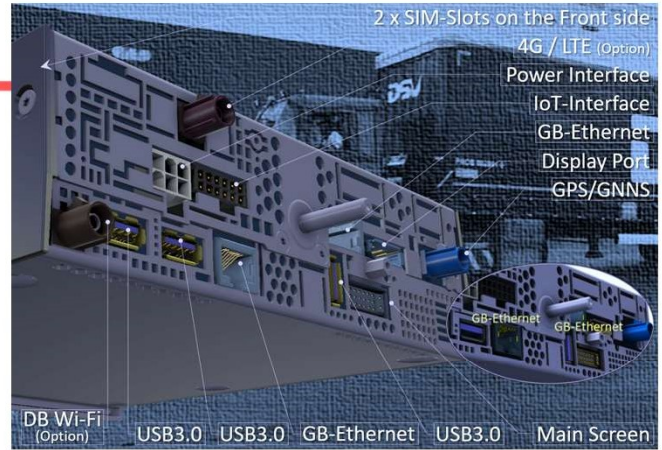
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Technical Sheet

CPU FQ5t	6th Gen. Intel® i5-7442EQ SkyLake-H, 4x1.9GHz (4x2.7GHz), 6MB, DMI3.0 8GT/s.
CPU FDQ5t	6th Gen. Intel® i7-6822EQ SkyLake-H, 4x2.0GHz, Smart-Cache 8MB, DMI3 8GT/s.
CPU FMD5t	7th Gen. Intel® i7-7820EQ Kaby Lake-H, 4x3.0GHz, Smart-Cache 8MB, DMI3 8GT/s.
System Bus FQ5t	3rd Gen. Mobile Intel® HM170 PCH. Intel® Rapid Storage technology, Flexible RAID Configuration, Flexible Display Interface (FDI) and Intel Clear Video HD Technology. Intel® HD Audio-Out
System Bus FDQ5t	3rd Gen. Mobile Intel® HM170 PCH. Intel® Rapid Storage technology, Flexible RAID Configuration, Flexible Display Interface (FDI) and Intel Clear Video HD Technology. Intel® HD Audio-Out
System Bus FMD5t	3rd Gen. Mobile Intel® HM175 PCH. Intel® Rapid Storage technology, Intel® HD Audio. Flexible RAID with Dynamic Storage Accelerator, Flexible Display Interface (FDI) and Intel Clear Video HD Technology
Graphics FQ5t	Intel® HD 530 Graphics. 4K Media Codecs. High 3D-Rendering on Low-Power mode
Graphics FDQ5t	Intel® HD 530 Graphics. 4K Media Codecs. High 3D-Rendering on Low-Power mode.
Graphics FMD5t	Intel® HD 630 Graphics. 4K Media Codecs. High 3D-Rendering on Low-Power mode
RAM	Dual Channel 4GB soldered (Option 8GB / 16GB) DDR4-2133MHz, 34GB/s. T-LINK 1024Kb NVRAM
Storage	250GB Automotive & Wide-temp. Mini-SSD. Optional 500 / 1.000 GB. SATA-III 6GB/s.
O/S	WIN-10 IoT Enterprise LTSB/CBB/CB, Win-10 Pro, Win-7 Pro , Win-8.1 Pro, WES-8, LINUX
Video	Intel® Quick Sync Video and Intel® Clear Video HD . 3D-Graphic, 4K Media Codecs.
Audio	Audio on Screens.
Screen Interface	Dual Interfaces: 1 x EMI-Shielded, Sunit Touch Digital-LVDS Displays. 1 x Display-Port
Ethernet	1 x Intel® I211-AT. GB-Ethernet Up-to 2.5GbE. 10/100/1000. Base-T. RJ45 Connect. 1 x MicroChip LAN 7800T. USB 3.1 Gen 1 SuperSpeed to 10/100/1000. Base-T & Base-TX. RJ45 Connect.
USB	3 x USB 3
Modem (Option)	4G: LTE, DC-HSPA+, UMTS, EDGE, GPRS, Voice, Echo Arithmetic , eCall, VoLTE
SIM-slot (Option)	Dual-SIM: 2 x Front Feed
Video-In	1 x Conexant CX23885 PCI-E Video Decoder. Automatic AV-standard detection and configuration. NTSC, PAL, SECAM.
WI-FI(Option)	Intel® Dual-Band Wireless AC-3165, 433Mb/sec. IEEE WLAN Standard: 802.11abgn, 802.11ac, 802.11d, 802.11e, 802.11i, 802.11h, 802.11w
Bluetooth (Option)	Bluetooth 4.2 BLE, Low-energy. IPv6 for IoT; WPA2-PSK/AES Standard. Dual-Mode Compliant Standards: IEEE 802.11ac
IGN-Sense	Intelligent 4-state Power-Moding. 9V 36V. API-Readable via T-LINK
CAN	2 x High-Speed CAN: SAE J1939, ISO 11783 and NMEA 2000. FMS-Protocol. API Re-Write via T-LINK. 1 x Wake-Up Active D-In (IGN): 10V ... 36V, Logic-H +11V, Internal Pull-Downs. API Read via T-LINK · Pre-start / Wake-Up of System on Arctic conditions.
Digital-IN	2 x On-Power D-In: 0V ... 36V, Logic-H +5V, Internal Pull-Ups. · VSS (Vehicle Speed Sensor) API Read via T-LINK · VDS (Vehicle Direction-Sense); Gear-Shift
Digital-Out	1 x Digi-Out: Voltage Level due to Power-Input API Re-Write via T-LINK · Short-Circuit and Inductive-Load Protected
Analog-IN	1 x Anal.-In: 1 x 0...50VDC API Read via T-LINK · Including Analog Reference Ground
Gyro / Acc.	3-AXIS (X-Y-Z) LOW G Digital Accelerometer. Jolt & Pulse detections. API-Readable via T-LINK.
GPS/GNSS	Rapid 72-Channel 3D GNSS μ-Blox NEO-M8M receiver (GPS/Galileo/Glonass). SBAS, D-GPS, Programmable Flash.
Power-In	9 ... 36 VDC. API-Readable via T-LINK
Power Back-Up	Internal, Non-Explosive Back-Up Battery NiMh (Nickel-Metal-Hybrid) for Abrupt Power Interrupts. Intelligent Stand-By State / Shut-Off the Unit.
Dimensions	Universal 1-DIN Sized (163 x 177 x 50) mm. Surface mounting-Kit available.
Casing & Body	High Pressed and Geometry-designed impact protective Aluminium Body. High-density Steel cover.
Compliant	ECE 10R-04, FCC, CE, ISO-16750 WEEE, RoHS, REACH
Environment	-40°C ... +85°C. Temperature monitored. 0%~90% Relative Humidity.

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Specifications subject to change without notice

The product meets all the Vehicle, Machinery and Industrial Environmental criteria's worldwide and is Qualify tested by member of International Laboratory Accreditation Cooperation (ILAC)

