SUNIT
Bridge for Demanding Duties

SUNIT-FQT

DUAL GB-ETHERNET CPU SERVER

FQT serial

SUNIT-FQT –serial offers alternatively

SUNIT-FDQt
➤ 6th Gen. Wide-temp. Intel® Core i7 6822EQ
➤ Skylake 4 x 2.0GHz

SUNIT-FMDt
➤ 7th Gen. Wide-temp. 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-channles 3D GNNS w. ADR
➤ 3D-Gyro
➤ Vehicles; VSS, Gearshift sense, FMS
➤ Intelligent Power-Moding
➤ 9 … 36V / Core-Power monitory

Icons: DUAL ETHERNET GB | 4G LTE | DUAL SIM | DUAL-BAND WI-FI | BLUETOOTH 4.2 | USB 3.0 | DIGITAL SCREEN | DISPLAY PORT | INTELLIGENT POWER | POWER SOURCE DIAGNOZE | REVERSE APP. | VIDEO | SPEAKERS | DUAL GPS | ADR RECKONING | 3-AXIS GYRO | SPEED SENSOR VSS | J1939 CAN | DIGITAL I/O | ANALOG IN

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.

QUALITY S | ECE 10R-05 0020 E17 | CE FC S | ISO 9001 BUREAU VERITAS Certification N° FIHSK10299467A | DESIGN FROM FINLAND

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SUNIT-FQT
DUAL GB-ETHERNET CPU SERVER

2 x SIM-Slots on the Front side
4G / LTE (Option)
Power Interface
IoT-Interface
GB-Ethernet
Display Port
GPS/GNNS

DB Wi-Fi (Option) | USB3.0 | USB3.0 | GB-Ethernet | USB3.0 | Main Screen
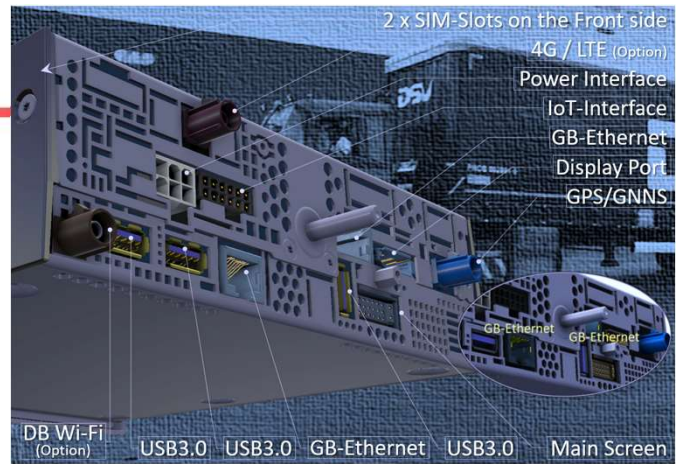
Technical Sheet

CPU **FDQt**	6th Gen. Intel® Core™ i7-6822EQ SkyLake-H, 4x2.0GHz, Smart-Cache 8MB, DMI3 8GT/s.
CPU **FMDt**	7th Gen. Intel® i7-7820EQ KabyLake-H, 4x3.0GHz, Smart-Cache 8MB, DMI3 8GT/s.,
System Bus **FDQt**	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 **FMDt**	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 **FDQt**	Intel® HD 530 Graphics. 4K Media Codecs. High 3D-Rendering on Low-Power mode.
Graphics **FMDt**	Intel® HD 630 Graphics. 4K Media Codecs. High 3D-Rendering on Low-Power mode
RAM	Dual Channel 4GB (Option 8GB) DDR4-2133MHz, 34GB/s. T-LINK 1024Kb NVRAM
Storage	120 GB Automotive & Wide-temp. Mini-SSD. Optional 240, 480 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
Screen Type	1 x Sunit Digital Screen (See Specifications). 1 x CCTV Monitor Display Port.
Ethernet	2 x Intel® Ethernet I219-V/LM. IEE1588 Low Power GB-LAN. 10/100/1000 Base-T. RJ45 Connectors.
USB	3 x USB 3
Modem	4G: LTE, DC-HSPA+, UMTS, EDGE, GPRS, Voice, Echo Arithmetic , eCall, VoLTE(Option)
SIM-slot	Dual-SIM: 2 x Front Feed
Video-In	1 x Conexant CX23885 PCI-E Video Decoder. Automatic A/V-standard detection and configuration. NTSC, PAL, SECAM.
WI-FI	Intel® Dual-Band Wireless AC-3165, 433Mb/sec. IEE WLAN Standard: 802.11abgn, 802.11ac, 802.11d, 802.11e, 802.11i, 802.11h, 802.11w Antenna In-Cabin: 2,4GHz / 1,5dBi. Antenna Outdoor for On-the-Go connections: 2,4GHz / 5dBi
Bluetooth	Bluetooth 4.2 BLE, Low-energy. IPv6 for IoT; WPA2-PSK/AES Standard. Dual-Mode Compliant Standards: IEEE 802.11ac/wAntenna 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-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.
Digital-IN	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. 3 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	2 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 GNNS receiver (GPS/Galileo/Glonass). ADR (Automotive Dead Reckoning);. Dual-channel Readable; API via T-LINK and Direct-Access on Serial-port
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 WEEE 2002/96/EG, RoHS 2002/95/EC, REACH 2006/121/EC
Environment	-40OC … +85OC. Temperature monitored. 0%~90% Relative Humidity.

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)

Mission Critical | In-Service Vehicles | Heavy Transport | Public Service | Machinery & C.E. | Terminal Service | Marine Service | Rail Road | Industry Process | Aviation Service