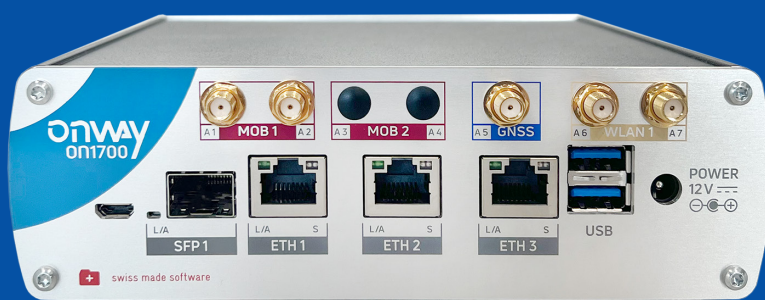


Datasheet ON1700

- Excellent computing and communication unit for all kinds of industrial applications: Networking and remote management of machines, vending machines, displays (advertising, passenger information, routing, etc.), charging stations, surveillance cameras, IoT and Smart City applications, ideal for replacing 2G/3G etc.
- IoT edge computing / gateway functionality thanks to preprocessing, filtering, caching and monitoring of local sensor values
- High-performance quad-core x86-64 processor
- Wired as well as wireless communication options: Ethernet, USB, mobile communications, WiFi
- Automatic «Zero Touch» deployment ex works, i.e. devices can be installed directly from production and no manual configuration work is necessary.
- Secure transfer of usage data via VPN (IPsec with certification)
- Central Application for Monitoring and Administration including Software updates, patches etc.
- Secure and constant connection with central management system



Applications

- Automation of sales and logistics applications and production facilities
- Modern software architecture, perfect for mobile cloud applications
- Monitoring of vital router functions and its environment

Features

- GPS / GLONASS localisation
- High-performance quad-core x86-64 processor
- Automatic «Zero Touch» deployment
- Very fast boot process
- 802.1x based Network Access-Control

Performance

- up to 1Gbps local routing
- up to 450 Mbps VPN throughput via LTE

Technical data ON1700

Dimensions / Weight

Dimensions (W x H x D): 169 x 55 x 158 mm

Weight: 850 g, depending on options

Operating temperature: -25 to +70 °C

Ingress Protection Level: IP40

1–2x Mobile / Cellular (optional)

Multimode LTE/UMTS

4G – LTE: B1 (2100), B3 (1800), B7 (2600), B8 (900), B20 (800DD), B5 (850), B38 (TDD 2600), B40 (TDD 2300), B28 (700 APAC), B41 (TDD 2500), B32 (1500)

3G – UMTS: B1 (2100), B8 (900), B3 (1800), B5 (850)

LTE Specification: LTE Cat 6, 2x2 MIMO, DL 300 Mbps/UL 50 Mbps

Connectors: 4x SMA female

SIM: 2x Mini SIM – 2FF

1x Wi-Fi / WLAN (optional)

Standard: IEEE 802.11a/b/g/n/ac

Dual-band: either 2.4 or 5 GHz 2x2 MIMO

Bit rate (max): 780 Mbps

Modes: Client or access point (up to 100 clients)

FCC ID: TK4WLE600VX

Connectors: 2x SMA female

Ethernet

Standard 3x Gigabit Ethernet

Ethernet standard: 1000BASE-T, Auto MDIX

Speed: 10/100/1000 Mbps

1 x SFP: 1000BASE-T Auto MDIX, SFP standard depending on module, ask for supported modules

Speed: 10/100/1000 Mbps

Connectors: 3x RJ45, 1x SFP cage (mini GBIC)

Positioning

Standard: 1x Multi-GNSS

Receiver: GPS, BeiDou, GLONASS

Connector: 1x SMA female

Mounting

DIN-Rail

USB

Standard: 2x USB 3.0 Host Port

Connector: 2x Type A

System

Core: 1GHz Quad Core x86-64 CPU, 4 GB RAM
Up to 1TB SSD

Power

Nominal Input Voltage: 12 VDC

Average Power Consumption: 6W

Maximal Power Consumption: 10W

Connector: 2.5 mm DC jack

Certifications

Compliance Domain: CE according to 2014/53/EU (RED), 2011/65/EU (RoHS)