VERSO 12
12" vehicle-mount computer

Highest performance in the harshest environments

VERSO 12™ rugged computers – ideal for running thick client applications
The VERSO 12 is perfect for companies running thick client applications that require high computing power and reliable operation in tough environments. It suits industries such as mining, agriculture, defense, forestry, and ports.

Highest performing rugged computers on the market
Featuring a powerful combination of 11th-gen Intel® Core™ i7 processor, disc memory and storage capacity, the VERSO 12 offers unmatched performance for vehicle-mount computing. It handles demanding applications like 3D mapping, image processing, graphical animations, video analysis, and real-time data processing.

The virtually unbreakable touchscreen with JLT PowerTouch™ display technology provides the best durability and user experience, while its flush front is simple to keep clean. The VERSO series is built on the successful JLT computer platform that has been the base for many delivered computers.

KEY FEATURES

- 11th-gen Intel® Core™ i7-1185GRE
- Standard 16GB configuration of fast, efficient DDR4 memory (optional up to 32GB)
- Wi-Fi 6E for enhanced security, improved connectivity, and better coverage
- Future proof – runs Windows 11 or Windows 10
- Docking-free solution – eliminates unnecessary downtime from unreliable cradle connections
- Virtually unbreakable 12" capacitive touch with JLT PowerTouch™ and sunlight readable display
- Rugged design for outdoor and indoor usage – IP66-rating
- Integrated backup battery for uninterrupted operation
- Optional integrated mobile broadband

HIGHLIGHTS

Highest performance
VERSO is our most powerful series. Featuring Intel© Core™ i3 or i7 processors, it is the fastest in the industry and runs the most demanding applications with ease

Stable connection over wide areas
Integrated PIFA antennas enables reliable connectivity even in areas with poor coverage and over wide areas

Maximized uptime
Complete peace of mind with JLT:Care, the no-questions-asked service agreement from JLT

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BASE UNIT

Processor
Intel® Core i7-1185GRE
Intel® Core™ i3-7100U

Memory
16GB DDR4 (Core™ i7) (max 32GB)
8GB DDR4 (Core™ i3) (max 32GB)

Display
12.1" XGA LED 1000 NIT
12.1" XGA LED 500 NIT

Capacitive touch screen with JLT PowerTouch™
display technology and hardened glass

STORAGE

SATA
CFast 60GB, 120GB, 240GB

RF OPTIONS

Radio
Dualband WLAN 802.11ax, 802.11a/b/g/n/ac (Core™ i7)
Dialband WLAN 802.11a/b/g/n/ac (Core™ i3)
Bluetooth v5.2 (Core™ i7)
Bluetooth v4.2 (Core™ i3)
4G (LTE) up to 100 Mbps download speed (optional)

GPS
A-GPS/GLONASS/BEIDOU (optional)

Antennas
WLAN dual diversity antennas (PIFA)
External SMA connectors for 4G and GPS
User configurable external or internal WLAN
and Bluetooth antennas

INTERFACES

Ports
4x USB 2.0
1x Ethernet 10/100/1000
1x RS232 with 5V

Speakers
Waterproof stereo speakers
HD audio

Buttons
Power
LED dimming +/-

SECURITY

TPM module

POWER SUPPLY

Input
9-36 VDC unisolated

UPS
Internal battery for graceful shut down at
unexpected power outages

OPERATING SYSTEMS

Windows 11 IoT Enterprise LTSC (Core™ i7)
Windows 10 IoT LTSC

PHYSICAL CHARACTERISTICS

Dimensions
305 mm (w) x 255 mm* (h) x 59 mm (d)
12 inch (w) x 10 inch* (h) x 2.3 inch (d)
*antenna domes incl.

Weight
3.5 kg, 7.7 LB

ENVIRONMENT

Operating temp.
-30° C to 55° C / -22° F to 131° F

Storage temp.
-35° C to 75° C / -31° F to 167° F

Humidity
10–95% RH

Connector Sealing
Roxtec sealing cable protection (optional)

Dust and water
IP66 - IEC 60529:2001 with Roxtec (IP65 without Roxtec)

Vibration
5–500 Hz/0,04 m/s2 XYZ - IEC 60068-2-64 Fh

Shock
30g for 11ms XYZ - IEC 60068-2-27

MIL-SPEC
810G in applicable areas