

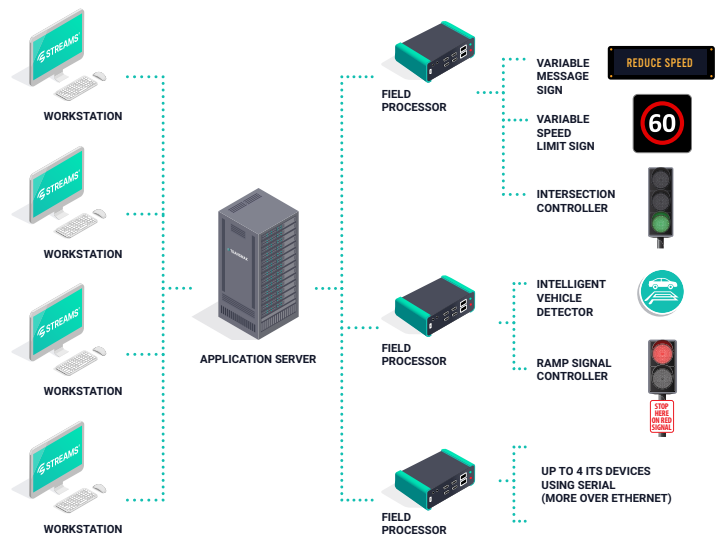
Product Description

The STREAMS FP.VT-04 Field Processor (FP), a Vetron FP, is a ruggedised computer designed for use in a suitable roadside enclosure. The FP is designed as part of the STREAMS Intelligent Transport System (ITS) to provide local processing and control of field devices. It is not sold as a standalone device.

The FP's architecture uses a service-driver model and supports multiple services connecting to multiple, different devices, including those from different manufacturers. Field Processor to server communications over an IP-based field network use Secure Socket Layer (SSL) for security.

Secure logon facilities are provided through certificate-based technology.

Software maintenance and upgrades are generally carried out over the field network to which the FP is connected. The FP configuration is kept on the server so units can be replaced without performing site-specific configuration.



STREAMS ARCHITECTURE MODEL

For a complete list of supported devices, please contact Transmax.

Benefits

Local processing at the site of field devices allows:

- + a high level of autonomy in the field
- + reduced load on the Wide Area Network (WAN)
- + removal of the real-time dependency on communications between STREAMS and ITS devices
- + local scripting capability

All communications from the FP are secured by Public Key Infrastructure (PKI) using SSL with certificate-based authentication providing increased security both for the field devices and for the ITS Application Servers. The use of Linux on the FP keeps licensing costs to a minimum and gives developers a high degree of control over the application.



FP.VT-04 (standard 4-port option)
FP positioned vertically in the field

FP.VT-04 *8-port option with expansion module
FP positioned vertically in the field

Specifications

These are specifications for the FP.VT-04 (standard 4-port option) along with specifications for the FP.VT-04 8-port option using the 4-port expansion module.

OTHER INFORMATION	NAME
Technical specifications	Intel/x86: Conga-SA5 : x5-E3930-2G 2GB LPDDR4 2400MT/s
Interfaces	1 Gigabit Ethernet LAN Port 1 Fast Ethernet LAN Port 1x USB Micro (system serial console) 4x cabinet door switches 4x DB9 serial ports *4x DB9 serial port optional expansion module available (for an FP.VT.04 8-port option)
Management and communications	Secure network connection to host via TCP/IP Gateway to other network devices via secure TCP/IP Local USB console management port Secure Remote Management
Standard package contents	FP.VT-04 (including expansion module if 8-port option ordered), power supply, Ethernet cable
Power requirements	Power Input Voltage 12 – 24 VDC, 6W typical (15W max), *8W typical for the FP.VT-04 8-port option using optional expansion module
Operational specifications	Operating temperature -40°C to 70°C
STREAMS support	Supported in versions of STREAMS released from December 2024.
Physical specifications	Dimensions: 180mm (H) x 128mm (D) x 58mm (W), *79mm (W) using optional expansion module for FP.VT-04 8-port option Weight: 1.0kg (standard 4-port option), *1.3kg (for 8-port option with expansion module) DIN-Rail Mounting System
Warranty	1-Year (return to base) Optional extended warranty periods of 1, 2, 3, or 4 years are also available on request.
*Optional 4-port expansion module	For a complete list of specifications, please contact Transmax.

STREAMS® Next-Gen support

The FP.VT-04 has been designed to meet your future needs. Each unit will be shipped with the ability to be remotely upgraded to the next generations of the STREAMS Platform. Once the unit exists in this next generation STREAMS ecosystem, the device can receive both software and platform updates remotely, ensuring your device fleet remains up to date. Please contact Transmax for more details.

Further information

The information contained in this brochure is subject to change. Transmax recommends you discuss your requirements with us prior to placing your order.

Contact us

Get in touch with Transmax to place an order or to find out more about the FP.VT-04.

More information about Terms & Conditions and Returns & Repairs can be found on the Transmax website.

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