

Product Description

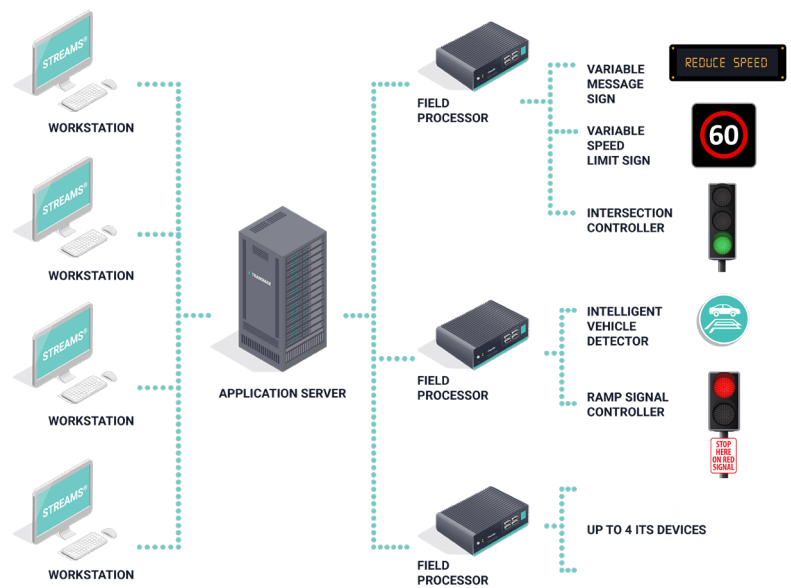
The STREAMS FP.CZ-06 Field Processor (FP) is a ruggedised computer designed for use in a suitable roadside enclosure. The FP is designed as part of the STREAMS Intelligent Transport System (ITS) to provide local processing and control of field devices. It is not sold as a standalone device.

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.



Specifications

OTHER INFORMATION	NAME
Technical specifications	Intel® Atom™ E3845, quad core, 1.91 GHz Debian operating system AMI 64Mbit SPI BIOS 4GB DDR3L 1066 / 1333MHz
Interfaces	2x Gigabit Ethernet LAN port USB 3.0 port 4x USB 2.0 port 4x isolated DI and 4x isolated DO port 6x COM port (4 available for field device connections) PS/2 port AT/ATX switch Remote power connector and reset connector
Management and communications	Secure network connection to host via TCP/IP Gateway to other network devices including field processors via secure TCP/IP Local serial console management port Secure remote management
Standard package contents	FP.CZ-06 Field Processor, Power supply, LAN cable, site ID, optional eclipse cable, DIN rail
Power requirements	Power Input Voltage 9 – 48 VDC
Operational specifications	Operating temperature -25°C to 70°C
STREAMS support	Supported in all current versions of STREAMS (13.11 onwards)
Physical specifications	Dimensions: 203mm (W) x 200mm (D) x 65mm (H) Weight: 2.84 kg Aluminium chassis with fanless design Flexible mounting options: wall, side, VESA, DIN rail.
Warranty	1-Year (return to base) Optional extended warranty periods of 1, 2, 3, or 4 years are also available on request

For a complete list of specifications, please contact Transmax.

NOTE: Customers purchasing an FP.CZ-06 to replace an existing FP should note that the RS422 port pinouts are different to existing FPs. Transmax can supply an adaptor cable at an additional cost or the customer can remake new cables to suit. Transmax recommends you discuss your FP requirements with our team before placing an order.

DIO support

Onboard DIO support will be made available on the FP.CZ-06 in a future update. Please contact Transmax for more details. The site identifier supports door open DIO signalling and temperature sensor.

For other DIO requirements, Transmax recommends an external PLC be used. Please contact Transmax for more information.

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.CZ-06.

More information about terms & conditions and returns & repairs can be found on the Transmax website.

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