

BEYOND M2M

fieldcloud enables your own internet of things, behind the firewall or in the cloud...

We are the secure data logistics specialists. Let us help your organization collect, connect and store your process and diagnostic measurement data, safely and reliably.

The fieldcloud ns-box is our a small form factor, low power, micro-server appliance. The ns-box acts as an edge application gateway, acquiring and processing data from measurement sources or supervisory control systems. A powerful network and firewall engine allows fine grained access control to system functions and secured delivery of measurement data.

3rd party and proprietary software can be deployed to suit different application architectures.

VALUE ADDED SERVICES

fieldcloud provides consulting, custom engineering, deployment and field installation services.

We also offer managed end to end IT infrastructure and connectivity services, using a network of telecom, data center hosting and application platform partners.

Please contact us for any special project requests. With over 20 years experience in industrial and oil & gas enterprise IT and supervisory control systems we are qualified to build bespoke solutions that meet your business requirements.

BENEFITS

Accelerated systems integration and rapid field deployment.
Extend and distribute application intelligence to remote field locations.
Reduce onsite system maintenance by using remote management tools.
Process data more quickly compared to traditional embedded devices.
Secure connectivity over any IP network.
Reduced risk of data loss between field and central office environment.

FEATURES

Low power consumption typically less than 11W. Passively cooled.
Ruggedized aluminium body designed for harsh environments.
Full Linux operating system with rich choice of application stacks.
Multiple Ethernet ports and optional HSPA+ mobile broadband and WiFi.
Dual-redundant RAID1 mirrored solid state storage.
Hardware watchdog provides automatic recovery.
NEMA 4X IP66 stainless steel outdoor enclosure kit available.



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Physical and Electrical Specifications

Dimensions	164mm W x 124mm L x 66mm H
Power	11W @ 24V DC
Operating Temperature	-20° to +70° C
Storage Temperature	-40° to +85° C
Mounting Options	Direct Panel Mount Bracket 2u height 19" Rack Mount Bracket Available in a NEMA4X IP66 fitted enclosure



System Specifications

CPU	1.6GHz Marvell 88F6282 ARM9
RAM	1GB DDR3
Storage	512MB SLC NAND Flash
Storage	dual 64GB SSD (RAID1 mirror)
Network	5x 10/100/1000 Ethernet (1 WAN 4 LAN)
Network	GPRS/HSPA+ Mobile Broadband (Optional)
Network	802.11a/g WiFi (Optional)
Digital I/O	4x 3.3V Relay Outputs, 1x 3.3V Relay Input
Serial	2x RS485, 2x RS232
Operating System	Debian 7.0 Linux Kernel 3.4.53