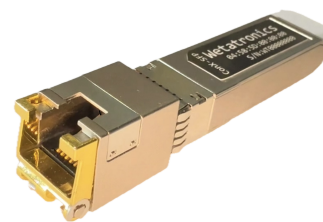


ConX-SFP

Console Server

Two RS-232 serial console ports from any 1G SFP slot.



The ConX-SFP is a fully integrated console server that fits inside a standard 1G SFP slot. It provides two independent RS-232 serial console ports via a breakout cable, giving secure access to any device with a console port — routers, switches, firewalls, PDUs, and more. Powered directly by the host switch, the ConX-SFP requires no rack space, no dedicated power, and no additional cabling infrastructure. Management is via direct SSH, local Telnet, or the cloud-based ConX Portal. DHCP auto-configuration means zero-touch deployment — insert the module, connect the console cables, and the device is reachable within minutes. With ConX Portal, ConX-SFP also acts as a jump host — reaching other hosts at the site (SSH, Telnet, RDP, HTTP, HTTPS) through the same outbound-only tunnel.

No Rack Space

Fits any 1G SFP slot. No chassis, no power feeds, no cabling projects.

Secure by Default

Encrypted Serial Data over SSH or TLS

1-Minute Setup

Insert SFP, Connect Serial cable. Immediately accessible via SSH or the cloud portal

Security & Control

- SSH Local, TLS Remote
- TLS 1.3 with AES-128-GCM, P-256/P-384 ECDHE
- SSH Ed25519 keys, Curve25519 key exchange
- Full audit trail — who, what, when, where
- Air-gapped option

Site Requirements

- Any spare 1G SFP cage (host-powered)
- Standard IPv4 DHCP (or static IP)
- RS-232 console port on target device
- Standard patch cable or 2 port adapter

Easy Installation

- Insert into any spare 1G SFP slot
- Connect standard patch cable to console port
- DHCP assigns IP, TLS auto-connects to portal
- Launch browser-based console from anywhere, or
- Direct SSH connection locally

Deployment Options

- ConX Portal — Cloud
- ConX Portal — On-Premises
- Local SSH access

TECHNICAL SPECIFICATIONS

Form Factor	Standard 1G SFP module
Serial Ports	RS-232. 1 standard, 2 with port adapter
Baud Rates	9,600 - 115,200 bps (default 9600)
Data Format	7/8 data bits, 1/2 stop bits, None/Odd/Even parity
Network	1G Ethernet, IPv4, DHCP or static IP
LLDP	IEEE 802.1AB transmit, system/address identification
SSH	Ed25519 host keys, Curve25519 KEX, AES-CTR, HMAC-SHA-256
TLS	1.3 only — AES-128-GCM-SHA256, P-256/P-384 ECDHE
Telnet	CLI on port 23, serial passthrough configurable TCP ports
Management	SSH, Telnet CLI, ConX Portal (WebSocket/TLS), Serial Port 1 via Break Sequence
Jump Host	Via ConX Portal — SSH/Telnet/RDP/HTTP/HTTPS to other hosts; any-port agent
Firmware Update	Field Upgradable
Compatibility	Cisco, Juniper, Arista, MikroTik & more