DUCKFONE™ CELLULAR GATEWAY
with Total Out-of-Band™ Management

DATASHEET

Gearlinx
Operational Resilience Simplified

The Duckfone™ Cellular Gateway with Total Out-of-Band™ Management and ZERO cloud portal, is the best solution for deployment, access, and management of network infrastructure within the enterprise.

The compact design is ideal for edge and branch office deployments, as well as connecting kiosks, atm's, digital signage, video cameras, and smart building infrastructure to the internet.

- Low cost, 4 RJ45 serial port model
- Dual SIM Global 4G LTE interface, carrier auto switching
- Internal temperature sensor for environmental monitoring
- Power over Ethernet (POE+) provides installation flexibility

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Console Port Specifications

Duckfone™ 4	4 x RJ45 RS232 Cisco straight serial ports

Interface Ports

Primary Network Port	1 x 10/100/1000 Gigabit Ethernet
Remote Access	Integrated Dual SIM 4G LTE cellular module

Power Requirements

Power Input	Power over Ethernet (POE+)

Cellular Connectivity

Connectors	(2) 50 Ω SMA (center pin: female)
SIM Slots	(2) Mini-SIM (2FF); software slectable, hardware switchable
Coverage	Global LTE Support
GPS	(1) SMA (center pin: female)

Cellular Bands

Duckfone™ 4	*LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD B38/B39/B40/B41 *WCDMA B1/B2/B4/B5/B6/B8/B19 *GSM B2/B3/B5/B8

Memory and CPU

Memory	256MB RAM
CPU	Qualcomm

Security, Encryption, and Authentication

VPN Tunnels	Wireguard
Authentication Methods	AAA – TACACS+, RADIUS, Active Directory/OpenLDAP, local fall back

Features

Software Features	Gearlinux, Total Out-of-Band, Modern Enterprise GUI/CLI, IPv4/IPv6, Serial Logging, Single Sign On using OpenID

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Automation and Scalability

	Zero Touch Provisioning, RestAPI
	OpenConfig Streaming Telemetry

Software and Management

Remote Management	Gearlinx™ ZERO cloud portal; SNMP v3, encrypted SMS
Local Management	WebUI (HTTP/HTTPS), CLI (SSH, serial port)
Protocols	SNMP, SSH, DHCP, LLDP, ZTP, HTTPS, NTP

Environmental

Operating Temperature	-5C° to 50C°, 23F° to 122F° (passive cooling)
Storage Temperature	-30C° to 60C°, -22F° to 140°
Humidity	5% to 95% (non-condensing)
MTBF	150,000 hours

Regulatory Approvals

Cellular	PTCRB; GCF, AT&T, Verizon, T-Mobile; Canada
Certifications, Emissions	FCC Part 15, Subpart B, Class A; CE, RCM; CAN ICES-3 (B)/NMB-3 (B), ROHS

Physical

Product Dimensions	1.57" x 4.84" x 4.80", 4cm x 12.3cm x 12.2cm
Product Weight	0.66lbs, 300 grams
Status LEDs	LAN (link = solid, flashing = act), Power, Status RGB (3G/4G/5G), WAN (link = solid, flashing = act), 5 signal level green LEDs signal

Part Numbers and Subscription Options

Part Number	Serial Ports	1GbE	Global Cellular4G LTE	Power Input
Duckfone-4-GLB	4	1 x RJ45	Yes	PoE+

Part Number	Required Licensing Subscription subscription based on your life cycle preference	Renew
ORAAS-FONE-1Y	Subscription License Duckfone™ Series - 1 Year of Enrollment Units, ZERO Cloud Portal, 1 Year Hardware Warranty, Technical Phone Support, Web Support	
ORAAS-FONE-3Y	Subscription License Duckfone™ Series - 3 Years of Enrollment Units, ZERO Cloud Portal, 3 Years Hardware Warranty, Technical Phone Support, Web Support	
ORAAS-FONE-5Y	Subscription License Duckfone™ Series - 5 Years of Enrollment Units, ZERO Cloud Portal, 5 Years Hardware Warranty, Technical Phone Support, Web Support	
ORAAS-FONE-7Y	Subscription License Duckfone™ Series - 7 Years of Enrollment Units, ZERO Cloud Portal, 7 Years Hardware Warranty, Technical Phone Support, Web Support	
ORAAS-COTERM	Subscription License Renewal Duckfone™ Series – One (1) Enrollment Unit added to Gearlinx™ ZERO Cloud Portal Organization	

Package Contents

444010	2 x Cellular Antennas
444060	4 x non skid rubber feet
DFQSG	Duckfone Quick Start Guide

Optional Accessories

444050	POE power injector
444020	Cable - Straight through CAT5 - 6'
444011	Antenna Extender - Magnetic Base with 10' Coaxial Cable
444012	GPS Antenna

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