neo2 dura

OptConnect neo2 dura is Engineered and Designed for High Speed Industrial IoT Applications

verizon✓
AT&T

DUAL-CARRIER CONNECTIVITY

BLAZING FAST 4G LTE CAT 4
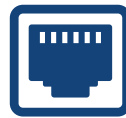
DUAL ETHERNET PORT

FULLY MANAGED SOLUTION

OptConnect
MANAGED WIRELESS SOLUTIONS

Power LED (green)
Power Connector

Ethernet LAN ports
with LEDs (amber)

0.7"

2.7" x 2.2" x 0.7"

2.8 oz

2.2"

Cellular Activity
LED (amber)

Signal Quality
(green x4)

Antenna
Connector

Rugged
Plastic
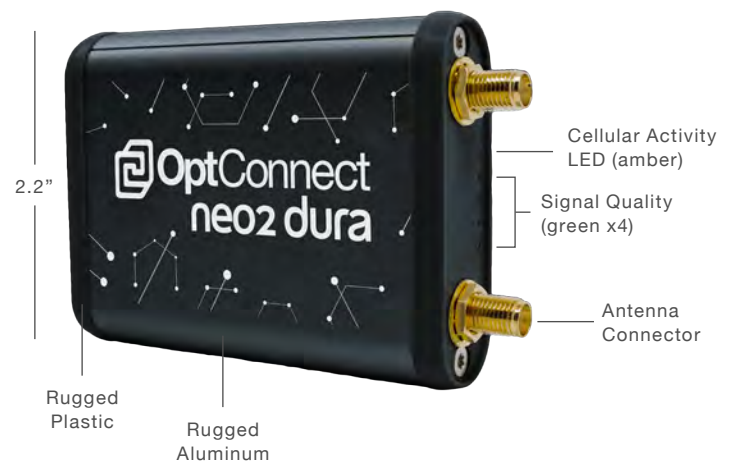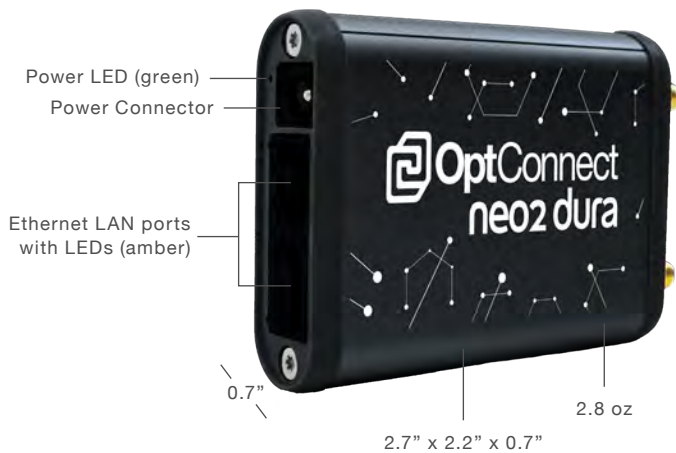
Rugged
Aluminum

OPTCONNECT NEO2 DURA

Features	Advantages
• **Plug-n-play** High-speed connectivity	• 4G LTE CAT 4 - high speed, real-time monitoring & management of industrial equipment
• **Lightweight** 2.8 oz	• Dual-carrier redundancy
• **Compact size** 2.7" x 2.2" x 0.7"	• Delivers high-speed and wide coverage
• **Rugged** Aircraft grade Aluminum, Temp resistance -40c - +85	• Cost-effective replacement for landline dialup circuits or analog cell-phones
• Full duplex transceiver ethernet port	• Backup/redundant network connections for LANs
• LED network and signal indicators	• Ideal connectivity for Security & Surveillance, Access Controls, Building Management Systems (BMS), PLC controls and more
• IP69, IK09 external direct mount antenna	
• IP67 AC 18-24V, DC 8-40V power supply	
• 3-in-1 mounting bracket accepts 35mm DIN rail mount, direct screw mount or 3M adhesive mount	• Remotely manageable and upgradeable
• Low power consumption 4G 10-12.5 watts peak	• Saves time, money and improves business efficiency
• Built-in Firewall – 2.2	• Works with OptConnect Summit
• DHCP server for local automatic IP assignment	• Real-time device level monitoring, management, and support
• Can assign static IPs	• 24/7/365 Technical Support
• NAT with VPN Passthru	
• Domain name addressable	

Need more information?
Call our sales team at 1-877-678-3343

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OPTCONNECT NEO2 DURA SPECS

Wireless WAN

LTE CAT 4	FDD B2[1900], B4[1700], B5[850], B12[700], B13[700], B14[700], B66[1700], B71[600]
	B2[1900], B4[1700], B5[850]
Speed	~10-30 mbps down, ~3-10 mbps up
SIM Slots	2 internal 3FF Micro-SIM Slot
Antenna Connectors	2 x 50 ΩSMA (Center pin: female)

Ethernet

Ports	2
Connector	RJ-45
Standard	IEEE 802.3
Physical Layer	10/100 Base-T
Data Rate	10/100 MBit/s
Mode	Full or Half duplex
Interface	Auto MDI/MDIX

Management

Managment Platform	OptConnect Summit
Processor and Memory	Atheros AR9331, 64MB RAM, 16MB FLASH
Protocol Support	HTTP, HTTPS, FTP, SSL

Power

Input	5 VDC (power supply with barrel connector included)
Consumption	Typical: 3.5 W; Max: 12.5 W

General

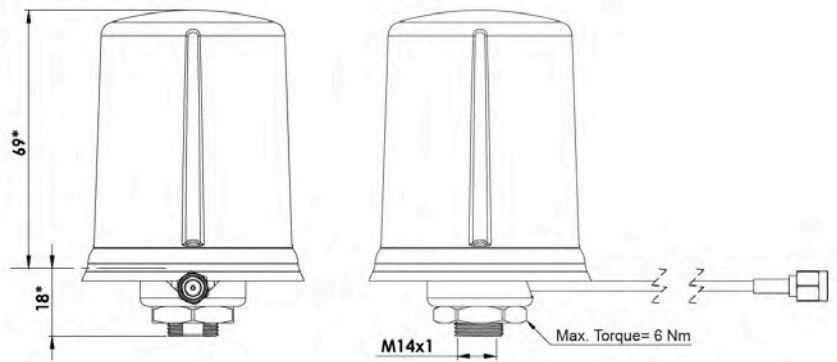|	
LEDs	Power On, LAN Connection, signal quality, cell activity
Relative Humidity	5% to 95% (non-condensing)

Approvals

GSM/CDMA	Verizon ODI, PTCRB, AT&T
Carrier Certifications	Certified by Verizon PTCRB, AT&T, and most major carriers

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AGENA ANTENNA TECHNICAL SPECIFICATIONS

Electrical Specifications	
Frequency	698 - 960 MHz, 1710 - 2170MHz 2500-2700 MHz
Nomincal Impedance	50
VSWR	<2.7:1 @ 698-960 <1.5:1 @ 1710-2170 <1.4:1 @ 2500-2700
Radiation Pattern	Omnidirectional
Efficiency %	~66.9 @ 698-960 ~74.5 @ 1710-2170 ~58.9 dBi @ 2500-2700
Average Gain	4.2 dBi @ 698-960 2.9 dBi @ 1710-2170 3.0 dBi @ 2500-2700
Peak Gain	0.8 dBi @698-960 3.6 dBi @ 1710-2170 4.1 dBi @ 2500-2700
Polarization	Linear
Max Input Power	25
Environmental Specifications	
Operating Temperature	-40 to +85 C -40 to 185 F
Storage Temperature	-40 to +85 C -40 to 185 F
Substance Compliance	RoHS
Certificates	IP69, IK09

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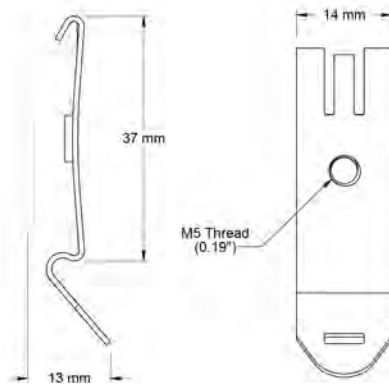
Mounting Adapter for DIN Rail
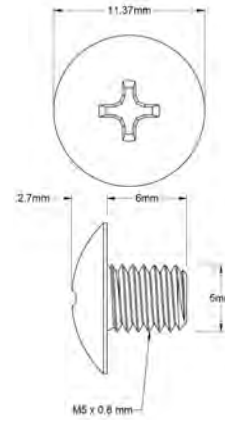
Direct Screw Mount

3M Adhesive Mount

AC/DC POWER CONVERTER

Input Voltage	AC 24v
Input Voltage Range	AC 18-24V, DC 8-40V
Output Voltage	DC 5v
Output Current	5A
Output Power	25W
Conversion Efficiency	>93%
Ripple	40mV
No-load current	8mA
Working Temp	-40~85°C
Waterproof Rating	IP67
Cable Length	13-14cm
Protection	Over-current / Over-voltage / Over-heat/Short-circut protection
Case Material	Plastic
Size	58*40.5*22mm 100g/pc

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