DUAL CELLULAR / DUAL WI-FI 5G-READY PLATFORM

Manage this device with Digi Remote Manager

FIRSTNET® Built with AT&T
READY

DIGI TX64

High performance cellular router with dual redundant communications for complex transit and transportation systems

Ideal for challenging transportation and mobile environments, Digi TX64 is a dual cellular LTE-Advanced and LTE-Advanced Pro router with true enterprise class routing, security, firewall and integrated VPN. It offers a flexible interface design with an integrated Wi-Fi access point, USB, serial and 4-port Ethernet switch, as well as a variety of configuration options including GNSS and Bluetooth®.

Internet access for riders is managed securely and without impact to onboard bus systems. Triple carrier aggregation on each cellular interface can be combined to deliver up to 1.2 Gbps to passengers. Onboard systems retain priority and any remaining bandwidth is made available to Internet traffic.

A captive portal and splash page enable term acceptance, targeted messaging and agency branding. Standard HTTP/DNS redirect can be used to block malware and unwanted content through popular third-party service providers or an agency server.

Reliable power circuitry supports 9-36 VDC input with ignition sense for direct integration into the vehicle's power source. Dual cellular and dual Wi-Fi modules provide true segmented traffic flow of private and public data for fare collection, CAD/AVL data, camera log backhaul and passenger Wi-Fi access.

FEATURES AND BENEFITS

- 5G-ready platform: future-built with powerful quad-core processor
- Segmented private and public data communication across dual 1.2 Gbps LTE-Advanced Pro Cat 18 or LTE-Advanced Cat 11 cellular modules
- Wired Gigabit Ethernet (4-port) for onboard systems
- Video and vehicle data offload over 1.7 Gbps 802.11ac Wi-Fi backhaul
- Passenger Wi-Fi over 867 Mbps 802.11ac access point
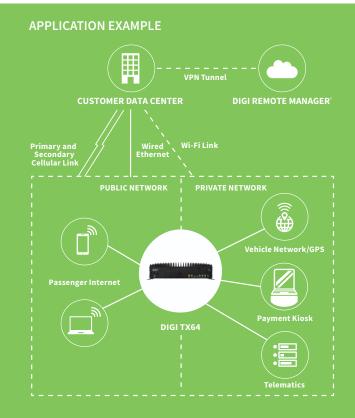- Digi Remote Manager® platform for easy setup, mass configuration and management

APPLICATION EXAMPLE

CUSTOMER DATA CENTER
VPN Tunnel
DIGI REMOTE MANAGER*
Primary and Secondary Cellular Link
Wired Ethernet
Wi-Fi Link
PUBLIC NETWORK
PRIVATE NETWORK
Passenger Internet
Vehicle Network/GPS
Payment Kiosk
DIGI TX64
Telematics

RELATED PRODUCTS

Digi TX54 Digi WR31 Digi WR44 RR Accessories Digi Remote Manager*

SPECIFICATIONS	DIGI® TX64
WIRELESS INTERFACES	
WWAN*	
DUAL MODULES LTE-ADVANCED WORLDWIDE	Visit https://www.digi.com/resources/certifications for latest cellular certifications
DUAL MODULES LTE-ADVANCED PRO WORLDWIDE (FIRSTNET READY™)	Visit https://www.digi.com/resources/certifications for latest cellular certifications
CONNECTOR	2 or 4 x 50 Ω SMA per module (center pin: female)
SIM SLOTS	2 mini-SIM (2FF) per module (4 total)
SIM SECURITY	SIM slot cover plate included
WI-FI	
DUAL MODULES	Private backhaul: 4 x 4 MU-MIMO 5 GHz 802.11 a/n/ac Wave 2, up to 128 stations per module, 1.733 Gbps (max) Public Wi-Fi: 2 x 2 MIMO 2.4/5 GHz 802.11 a/b/g/n/ac, up to 128 stations per module, 867 Mbps (max)
HOTSPOT	Captive portal, customizable splash page
AUTHENTICATION	Basic ToS acceptance, Enterprise RADIUS
3RD PARTY SERVICES	Content filtering, embedded advertising
MODES	Up to 4 access points and 1 client per Wi-Fi module (8+2 total)
SECURITY	WPA/WPA2-Personal, WPA/WPA2-Enterprise
CONNECTORS	Private backhaul: 4 x 50 Ω RP-SMA (center pin: male) Public Wi-Fi: 2 x 50 Ω RP-SMA (center pin: male)
BLUETOOTH®	
MODULE	BLE 4.2
GPS	
TECHNOLOGY	Multi-constellation: concurrent reception of up to 2 GNSS (GPS, Galileo, GLONASS, BeiDou)
SENSITIVITY	-163 dB
PROTOCOL	NMEA 0183 V2.3 sentence output
CONNECTOR	1 x 50 Ω SMA (center pin: female); +3.3 VDC active antenna drive
HARDWARE	
SERIAL	
PORTS / CONNECTOR	1 RS-232; DB-9 male
ETHERNET	
PORTS / CONNECTOR	4; RJ-45
STANDARD	IEEE 802.3; 10/100/1000 Base-T
USB	
PORTS	3
STANDARD	USB 3.0, Type A
MEMORY	
RAM	2 GB
FLASH	8 GB (CFAST card)
PHYSICAL	
DIMENSIONS	260 mm x 196 mm x 67 mm (10.2 in x 7.8 in x 2.6 in)
WEIGHT	3.3 kg (7.25 lbs)
STATUS LEDS	Power, WWAN (signal, service) per module, Wi-Fi service (per module), GNSS service, LAN (link, activty)
ENCLOSURE	IP40 aluminum alloy
POWER	
POWER INPUT	9 - 36 VDC, 60 W minimum power source required
POWER CONSUMPTION	28 W typical (idle); 41 W (peak RF Tx/Rx)
ENVIRONMENTAL	
MOUNTING	Flexible mounting options
OPERATING TEMPERATURE	-30° C to 70° C (-22° F to 158° F)
STORAGE TEMPERATURE	-40° C to 85° C (-40° F to 185° F)
RELATIVE HUMIDITY	0% to 95% (non-condensing) @ 25° C (77° F)

SPECIFICATIONS	DIGI® TX64
NEMA	
SPECIFICATION	Meets or exceeds the NEMA TS2 environmental requirements (-34° C to 74° C temperature range; 18% to 95% humidity over the temperature range; Vibration: 0.5 g @ 5 Hz to 30 Hz; Shock: 10 g)
APPROVALS	
CELLULAR	PTCRB, AT&T, Verizon, PNTM; visit https://www.digi.com/resources/certifications for latest cellular certifications
WARRANTY	
PRODUCT WARRANTY	3-year*

*Standard 3-year warranty upgradeable to 5 years with purchase of a Digi Remote Manager Premier 5-year subscription applicable to the product purchased only at the time of product purchase and with product registration at that time in Digi Remote Manager.

ENTERPRISE SOFTWARE	DESCRIPTION
PROTOCOL SUPPORT	HTTP, HTTPS, FTP client, SSL, TLS v1.2, SCP (client and server), SFTP, SMTP client for use by scripts and the command line, SNMP (v2/v3), SSH; remote management via Digi Remote Manager®; serial Modbus, MQTT client, protocol analyzer, ability to capture PCAP for use with Wireshark; DynDNS; dynamic DNS client compatible with BIND9/No-IP/DynDNS; DMNR; Dual-APN captive portal, Intelliflow; X.509 certificate management; dead reckoning
SECURITY	IP filtering, stateful firewall, custom firewall rules (iptables), address and port translation; SSL, SSLv2, SSLv3; Authentication: RADIUS, TACACS+; certificates; MAC address filtering; VLAN support
VPN	IPSec with IKEv1, IKEv2, NAT Traversal; OpenVPN client and server; GRE VPN tunnels; Cryptology: SHA-1/256/384/512, MD5, RSA; Encryption: 3DES and AES up to 256-bit (CBC mode for IPsec); Diffie Hellman: DH groups 1-32 (CURVE448)
ROUTING/FAILOVER	IP pass-through; NAT, NAPT with IP port forwarding; Ethernet bridging; Ethernet bonding; GRE; multicast routing; Routing protocols: RIP (v1, v2) OSPF, BGP; IP failover: VRRP, VRRP+; automatic failover, Digi SureLink®
OTHER PROTOCOLS	DHCP; Dynamic DNS client compatible with No-IP/DynDNS; Nagios, DNS server, NTP server, Multicast, mDNS, IPerf
LOCAL MANAGEMENT	Web interface (HTTP/HTTS); CLI (SSH, serial port); custom factory configuration
MANAGEMENT / TROUBLESHOOTING PROTOCOLS	Protocol analyzer with PCAP for Wireshark, event and system logging (with syslog), accessible from Digi Remote Manager, SFTP or SCP
PROGRAMMING TOOLS / ENVIRONMENTS	Python v3.6.4

PRODUCT IMAGES

FRONT

BACK

DIGI REMOTE MANAGER®

Digi Remote Manager is the technology platform that brings networks to the next level, allowing networks — and the people who manage them — to work smarter. With Digi Remote Manager you can transform a multitude of dispersed IoT devices into a dynamic, intelligent network. Now you can easily deploy, monitor and diagnose thousands of mission-critical devices from a single point of command — on your desktop, tablet or phone. All the while, its software-defined security diligently safeguards your entire Digi ecosystem.

Learn more at www.digi.com/digi-remote-manager

CAPABILITIES

– Activate, monitor and diagnose your mission-critical devices from a single point of command and control — on your desktop or mobile app

– Schedule key operations — including firmware updates and file management — on a single device or on a group of devices, keeping your network functionality up-to-date and maintaining compliance standards

– Manage edge devices out-of-band via console terminal access

– Keep tabs on device health and connectvity across device deployments of any size

– Create detailed reports and enable real-time alerts for specified conditions

– Integrate device data through open APIs to gain deeper insights and control with third-party applications

– Report and alert on performance statistics, including connection history, signal quality, latency, data usage and packet loss

INFRASTRUCTURE

– Hosted in a commercial-grade cloud server environment that meets SOC 1®, SOC 2® and SOC 3® standards

– Superior availability, operating to 99.9% or greater

– Open APIs available to support application development

SECURITY

– More than 175 security controls in place to protect your data

– Member of the Center for Internet Security® (CIS®)

– Enables compliance with security frameworks like ISO27002, HIPAA, NIST and more

– Earned Skyhigh's CloudTrust™ Program highest rating of Enterprise-Ready

PART NUMBERS	DIGI REMOTE MANAGER®
DIGI-RM-STD-1YR	Digi Remote Manager Standard - 1-year subscription
DIGI-RM-PRM-1YR	Digi Remote Manager Premier - 1-year subscription
DIGI-RM-PRM-3YR	Digi Remote Manager Premier - 3-year subscription
DIGI-RM-PRM-5YR	Digi Remote Manager Premier - 5-year subscription

PART NUMBERS	DIGI® TX64
TX64-A121	Digi TX64 - dual LTE-Advanced Cat 11, dual Wi-Fi, worldwide
TX64-A141	Digi TX64 FirstNet - dual LTE-Advanced Pro Cat 18, dual Wi-Fi, worldwide

PART NUMBERS	ACCESSORIES*
76002076	Kit, Digi WR54/WR64 power supply
76002069	Digi TX64/WR64-A121 accessory kit
76002087	Digi TX64-A141 accessory kit
76000286	Cable - Ethernet, RJ-45 to RJ-45, 2 m
76002090	GNSS Untethered Dead Reckoning - Roof Mount Antenna EAU: Less than 300
76002089	GNSS Untethered Dead Reckoning - Dash Mount Antenna

*Sold separately, unless otherwise noted.

FOR MORE INFORMATION PLEASE VISIT USATCORP.COM/DIGI

For more information contact us:

USAT | Connect What's Critical
605 Eastowne Drive, Chapel Hill, NC 27514

Phone: (888) 550-8728
Email: info@usatcorp.com
Web: https://usatcorp.com

FirstNet® and FirstNet Ready™ are registered trademarks and service marks of the First Responder Network Authority.

91004416
C3/1120

DIGI