

Managed xG

Flexible enterprise-grade LTE wireless connectivity

Product Sheet: SD-WAN Secure

COMCAST
BUSINESS
MASERGY

Masergy Managed xG delivers next-gen cellular data access to your corporate sites. Designed to provide redundant and secure Gigabit-class wireless at key office locations, Managed xG enables your business to enjoy the latest generation of wireless connectivity as part of a hybrid WAN architecture.

Future-proof your WAN with wireless xG

Masergy Managed xG provides a powerful, flexible, and cost-effective failover option for any location on your corporate network. Minimize disruptions if you have an outage on your wired WAN with Masergy's fast and stable managed LTE wireless backup connection.

Masergy Managed xG integrates seamlessly with your existing network router or SD-WAN deployment to create a cellular connection based on established failover policies. Masergy developed our Managed xG service with the flexibility to receive 2G, 3G, and LTE wireless signals so customers can enjoy maximum flexibility with their global hybrid WAN deployments. Masergy Managed xG works on all wireless standards to their maximum speeds.

Modem	Cat 7 LTE (3GPP Rel. 11) <ul style="list-style-type: none">Dual SIM slots, 4FF form factorSIM-based auto-carrier selection	Wireless Standards	GSM and CDMA
Ports	2 x GbE RJ45 (LAN/WAN switchable) <ul style="list-style-type: none">LAN1 port pre-configured in IP NAT LAN modeLAN2 port pre-configured in IP Passthrough LAN mode	Power Adapter	Power over Ethernet (PoE)
Material	Plastic	Size	5.7 x 5.7 x 1.2 in (145 x 145 x 30 mm)

Reliable wireless for business continuity

Never worry about losing access to a site when someone accidentally (or deliberately) cuts your expensive fiber line. Masergy Managed xG enables backup connectivity with Gigabit-class speeds. Deploy anywhere in minutes with our turnkey Managed xG setup package. We ship you a modem with pre-activated SIM card, you connect via Ethernet, and it's all managed and monitored 24/7 by the Masergy Network Operations Center to provide you with the award-winning Masergy customer experience.

Features

- Secure Gigabit-class LTE failover for backup circuits in a hybrid WAN architecture
- Power over Ethernet (PoE) for flexible, unobtrusive physical installs
- Award-winning 24/7 Masergy monitoring and real-time control for peace of mind

Benefits

- Enables a turnkey branch continuity solution
- Integrates seamlessly with existing network and SD-WAN infrastructure
- Extends management capability to any primary router Out-of-Band without the need for a wired connection

Specifications

WAN

Integrated 1200M Category 18 LTE Advanced Pro modem with DC-HSPA+ failover

LAN

Two LAN 10/100/1000 Ethernet ports (default one NAT, one IP Passthrough)
RJ45 Serial Port for console access or out-of-band management

Temperature

0 °C to 50 °C (32 °F to 122 °F) operating
-40 °C to 85 °C (-40 °F to 185 °F) storage

Humidity (non-condensing)

10% to 90% operating
5% to 95% storage

Power

PoE 802.3af PSE Type 1 (15W) with optional PoE power injector

Power Consumption (Typical)

Idle: 4.0 W
Single Modem: 6.0 W

Size

5.7 x 5.7 x 1.2 in (145 x 145 x 30 mm)

Housing

White plastic, locking compatible
Wall, desk, or DIN Rail mounting

Certifications

FCC, CE, IC

Safety: UL/CUL/CB Scheme

Materials: WEEE, RoHS, RoHS-2, California Prop 65

Masergy Managed xG hardware uses an integrated LTE Category 7 LTE modem. The modem is certified for AT&T, T-Mobile, and Verizon network operators. The LTE bands certified for each carrier are listed below.

Technology: LTE Advanced, DC-HSPA+

Peak Downlink Rates:

- LTE: 300 Mbps
- WCDMA: 42.2 Mbps

Peak Uplink Rates:

- LTE: 150 Mbps
- WCDMA: 5.76 Mbps

Frequency Bands:

- LTE FDD: B2, B4, B5, B7, B12, B13, B14, B25, B26, B66, B71
- LTE TDD: B41, B42, B43, B48
- HSPA+: B2, B4, B5

Fallback: WCDMA/DC-HSPA+ (42/5.76 Mbps): Bands 1–5, 8

Power: LTE 22.5 dBm \pm 1, DC-HSPA+ 23 dBm \pm 1

Antennas: 2 external 600 MHz – 6 GHz cellular paddle antennas; external Multi-Band 2 x 2 MIMO LTE

GNSS/GPS: Passive GNSS (multiplex with DIV antenna port)

SMS: SMS support

Industry Standards & Certs: CE, FCC, GCF-CC, IC, PTCRB