



## Wi-Fi, 3G, 4G CERTIFIED

With today's fast paced work environment, you need access to information fast. Running from bus to bus to download incidents cost hundreds of man hours putting pressure on budgets and leaving employees frustrated. An alternative solution is to download video over a wireless network directly to your desktop computer. You can have one employee managing all of your video incidents from the comfort of their desk instead of running out to a bus, turning the bus on, finding the incident, clipping and then downloading.

# GATEKEEPER

## MOBILE WIRELESS MODULE

**EASY TO MANAGE  
STREAM VIDEO LIVE  
DOWNLOAD WIRELESSLY**



### KEY FEATURES

- Live video streaming via 4G LTE
- Modular system design
- Industrial grade access points and in-bus radios
- Auto schedule downloads
- Download video from push of driver alarm button

# MOBILE WIRELESS MODULE - CELLULAR (MWM-C)

## GATEKEEPER

Gatekeeper Systems Inc.  
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### SUPPORTED FREQUENCY BANDS

GSM/GPRS/EDGE:

UMTS/HSDPA/HSUPA/HSPA+:

CDMA 1XRTT/EV-DO REV A (GTM689 ONLY):

### MAX CONNECTIVITY SPEEDS

HSPA+:

EV-DO REV A MODE:

850/900/1800/1900 MHz

800/850/900/1900/2100 MHz and AWS band  
(1700/2100 MHz) (B1, B2, B4, B5, B6, B8)

850/900/1800/1900 MHz

14.4 Mbps (Cat 10) down 5.76 (Cat 6) up

3.1 Mbps FL/1.8 Mbps RL HSPA+ Rel 7 SW features CPC (DTX/DRX), HS-SCCH-less operation, Enhanced CELL\_FACH, Enhanced L2, EF-DPCH

### RX DIVERSITY

Simultaneous Equalization and Rx Diversity  
on all bands, except for GSM/GPRS/EDGE

### CONNECTORS

1 x SMA: WWAN Main

1 x SMA: WWAN Div / GPS

### VISUAL FEEDBACK

Seven 3 colour LEDs showing system status and signal strength

### GPS

1 x SMA: WWAN Main

1 x SMA: WWAN Div / GPS

### CPU

ARM926EJ-S @ 450MHz

Memory available for customer applications:

30 Mb R/O flash for executables

30 Mb R/W flash shared with system

40 Mb free RAM

1 Mb Configuration data

### NETWORK

10/100Mb/s RJ45 connector

### SIM

USIM/SIM connection - Class B and Class C

### EXPANSION SLOT 1 & 2

Expansion board for IO functions such as serial, USB, GPIO, Wi-Fi

### INPUT VOLTAGE

9 to 33 VDC

### CURRENT CONSUMPTION

All measurements at 12V DC

Attached to a 2G network, no Ethernet: 121mA

Attached to a 2G network, Ethernet connected: 136mA

Attached to a 2G network, no Ethernet, 2G call (2Tx, 32dBm): 270mA,  
peak = 772mA

Attached to 3G network, no Ethernet, 3G call @ 2100MHz (band I): 341mA

### DIMENSIONS

4.5" (W) x 4.1" (D) x 1.8" (H)

115mm (W) x 105mm (D) x 45mm (H)

### WEIGHT

0.4lb (180g)

### MOUNTING

6 through holes for screws - self tapping TEK screws supplied

### OPERATING TEMPERATURE

-22°F to 158°F (-30°C to 70°C)

### STORAGE TEMPERATURE

-40°F to 185°F (-40°C to 85°C)

### HUMIDITY OPERATIONAL

5% - 95% non-condensing

### CELLULAR CERTIFICATION

FCC, PTCRB, Verizon, AT&T, T-Mobile, Telus

### STANDARDS COMPLIANCE

ROHS, European REACH