



Scout Console VPGate™ Mini Software

Avtec's VPGate software translates multiple communication protocols to enable wide-ranging Scout connectivity.

VPGate translates both open and proprietary protocols to a single multicast domain compatible with Scout and allowing communication among Scout consoles, endpoints, and other instances of VPGate over a LAN or WAN.

VPGate is sold and deployed in redundant pairs (unless otherwise indicated) and with varying capacities according to customer requirements. (See the *Scout System Requirements* document for software deployment guidelines.)

Each VPGate software license is protected using either a software license key or a USB hardware dongle that contains the license key. Model numbers ending with -SK indicate software license keys. Model numbers without -SK indicate that license keys are provided on a dongle. If using dongles, they must be inserted into a USB port on the PC where the software is installed for the software to function.

VPGate licenses are sold in redundant pairs unless otherwise indicated. For example, when you purchase Model No. SFW-VPG-M1-XX, you receive licensing for deployment on two computers. Licenses are sold in capacity levels and are described later in the VPGate capacity tables.

The base VPGate Mini license capacity represents the number of active endpoints that VPGate controls. Each base VPGate Mini license enables a total of 12 endpoints. To use more endpoints, the system requires additional VPGate Mini licenses. This VPGate Mini license applies to all Scout configurations except for Frontier-enabled systems.

VPGATE MINI LICENSING CAPACITY

AVTEC MODEL NUMBER	MAXIMUM CATEGORY A, B & SUPPLEMENTAL COMBINED	MAXIMUM CATEGORY B	MAXIMUM SUPPLEMENTAL	REDUNDANT
SFW-VPG-M1-NR SFW-VPG-M1-NR-SK	12	6	0	No
SFW-VPG-M1 SFW-VPG-M1-SK	12	6	0	Yes
SFW-VPG-M1-P25-NR SFW-VPG-M1-P25-NR-SK	12	6	8 DMR-AIS/NXDN/P25	No
SFW-VPG-M1-P25 SFW-VPG-M1-P25-SK	12	6	8 DMR-AIS/NXDN/P25	Yes
SFW-VPG-M1-PMR-NR SFW-VPG-M1-PMR-NR-SK	12	6	8 DMR-AIS/NXDN	No
SFW-VPG-M1-PMR SFW-VPG-M1-PMR-SK	12	6	8 DMR-AIS/NXDN	Yes

LICENSING THE KMF FEATURE OF THE VPGATE ADVANCED RADIO SUPPORT APPLICATION

To enable the KMF feature of the Advanced Radio Support Application, a KMF access license must be acquired. The Avtec Encryption Key Manager cannot connect to the KMF server without the KMF license (SFW-VPG-KMF and SFW-VPG-KMF-SK).

VPGATE DRIVERS

VPGate drivers are licensed by specific categories. There are three license categories for supported protocol drivers: A, B, and not separately licensed.

The following is a list of these drivers and their category.

DRIVER	LICENSING CATEGORY
APX Control Station via Outpost Plus	1 "A" license per endpoint
APX Mobile via Outpost	1 "A" license per endpoint
Auxiliary Input Panel	1 "A" license per Master Panel
Auxiliary Output Panel	1 "A" license per Master Panel
DMR-AIS (1)	1 "A" license per endpoint
IDAS IP Conventional (1)	1 "A" license per endpoint
iDEN	1 "A" license per endpoint
Kenwood Mobile (2)	1 "A" license per endpoint
Kenwood NEXEDGE® Trunking (1)	1 "A" license per endpoint
Kodiak (1)	1 "A" license per endpoint
M7100	1 "A" license per endpoint
MAP27	1 "A" license per endpoint
MOTOTRBO™ Capacity Max (1)	1 "A" license per endpoint
MOTOTRBO™ Connect Plus (1)	1 "A" license per endpoint
MOTOTRBO™ Control Station via Outpost Plus	1 "A" license per endpoint
MOTOTRBO™ IP Site Connect (1)	1 "A" license per endpoint
MOTOTRBO™ MSCP (1)	1 "A" license per endpoint
Outpost	1 "A" license per endpoint
Outpost Plus	1 "A" license per endpoint
P25 CSSI (1)	1 "A" license per endpoint
P25 DFSI (1)	1 "A" license per endpoint
P25 Failsoft (1)	1 "A" license per endpoint
Sprint Direct Connect	1 "A" license per endpoint

DRIVER	LICENSING CATEGORY
Tait Mobile (3)	1 "A" license per endpoint
URC-200	1 "A" license per endpoint
Daniels UIC	1 "B" license per endpoint
ED-137	1 "B" license per endpoint
JPS NXU2	1 "B" license per endpoint
SIP (1)	1 "B" license per endpoint
ANI Alias	Not separately licensed
Audio Forwarding	Not separately licensed
Call Voter	Not separately licensed
Cimarron ANI Decoder	Not separately licensed
Data Forwarding	Not separately licensed
MDC1200	Not separately licensed
Outpost Auxiliary Input	Not separately licensed
Outpost Auxiliary Output	Not separately licensed
Radio Function	Not separately licensed
Signal Processing	Not separately licensed

NOTE

- (1) These drivers require supplementary licenses to operate.
- (2) The Kenwood Mobile driver supports Kenwood TK-5710 radios, NX-700 radios, and NX-5000 series radios.
- (3) The Tait Mobile driver supports the Tait TM9155, TM9300, and TM9400 radios.

Chaining multiple drivers requires multiple licenses. For example, if you chain an Outpost endpoint with a MAP27 driver, it counts as two "A" licenses against the total maximum number allowed.

NOTE

If you are using redundant drivers, they only consume the license(s) that has already been assigned to their redundant driver counterpart.

NOTE

The MDC1200 driver works with the Outpost device (OUTPOST-2R and SFW-MDC-1) to deliver native MDC1200 capability without external hardware.

Certain drivers require supplementary licenses. The Kodiak driver requires a supplemental Push-to-Talk Over Cellular (PoC) subscription license to interface with a Broadband PTT system. The supplementary licenses are sold and deployed in redundant pairs unless otherwise indicated. See "Accessory Model Numbers" for optional model number information on these supplementary licenses.

A 1U rackmounted industrial computer that has been extensively tested for compatibility is optionally available from Avtec. See "Accessory Model Numbers" for optional model number information. Alternatively, resellers or end users can provide their own computers under an existing purchase agreement or to meet a special requirement such as redundant power supplies. Minimum recommended computer specifications are listed in the following table.

ACCESSORY MODEL NUMBERS

MODEL NUMBER	DESCRIPTION
ACC-CPU-DT-WIN10	Mini workstation desktop computer with Windows including solid state hard drive and Windows 10 Professional 64-bit OS. Requires DISP-XXXX for monitor, keyboard, etc. Used in a Scout system when a standard desktop computer is needed.
ACC-CPU-STD-2019	Industrial 1U computer with Windows including solid state hard drive and Windows Server 2019 OS. Rackmount for cabinets. Requires DISP-XXXX for monitor, keyboard, etc. Used in a Scout system when a standard rackmount computer is needed.
ACC-CPU-ENT-2019	Industrial 1U computer with Windows including solid state hard drive and Windows Server 2019 OS. Rackmount for cabinets. Requires DISP-XXXX for monitor, keyboard, etc. Used in a Scout system when an enterprise rackmount computer is needed.
ACC-MTG-1U-RR	Kit to mount ACC-CPU-RM-WIN10, ACC-CPU-RM-2012, ACC-CPU-RM-2016, or ACC-CPU-RM-2019 PC in 19-inch relay rack; 1U high.
ACC-MTG-2U-RR	Kit to mount two ACC-CPU-RM-WIN10, ACC-CPU-RM-2012, ACC-CPU-RM-2016, or ACC-CPU-RM-2019 PCs in 19-inch relay rack; 1U high.
DISP-BASIC	LCD display, panel mounted for cabinet or relay rack. Includes keyboard and mouse with tray.
DISP-KVM	LCD display, panel mounted for cabinet or relay rack. Includes keyboard and mouse with tray, 8-port KVM, and cable kit.
DISP-KVM-F-RR	1U LCD folding display for Relay Rack. Includes keyboard with track pad and 8-port KVM.
OUTPOST-CAB-35U	Enclosed 19" rackmount Outpost and VPGate integration cabinet, 70" high. Includes 19" LCD, KVM, Keyboard, Redundant 12V Power supply, and ventilation fan.
OUTPOST-CAB-45U	Enclosed 19" rackmount Outpost and VPGate integration cabinet, 88" high. Includes 19" LCD, KVM, Keyboard, Redundant 12V Power supply, and ventilation fan.
RR-72-38U	Two-post Relay Rack in clear aluminum finish, 72 inches in Height, 38U mounting space.
RR-84-45U	Two-post Relay Rack in clear aluminum finish, 84 inches high, 45U mounting space.
RR-90-48U	Two-post Relay Rack in clear aluminum finish, 90 inches high, 48U mounting space.
SUB-VPG-POC-SK	Three-year supplementary PTT over Cellular (PoC) subscription endpoint license; requires SFW-VPG-XXXX. Supports one redundant PoC endpoint. Enables AT&T Enhanced PTT, Verizon PTT Plus, Motorola WAVE™ OnCloud, and Motorola Nitro™ broadband support. Includes Kodiak driver.
SFW-VPG-MB SFW-VPG-MB-SK	Mobile License add-on for VPGate to enable Wi-Fi and LTE mobile capability. Includes Frontier. Hardware not included. Sells only with SFW-SCOUT-MB. Software not licensed to communicate using mobile broadband devices over Cellular or LTE on MOTOTRBO™ networks unless authorized by Motorola Solutions.
SFW-VPG-MB-NR SFW-VPG-MB-NR-SK	Non-Redundant Mobile License add-on for VPGate to enable Wi-Fi and LTE mobile capability. Includes Frontier. Hardware not included. Sells only with SFW-SCOUT-MB. Software not licensed to communicate using mobile broadband devices over Cellular or LTE on MOTOTRBO™ networks unless authorized by Motorola Solutions.

RECOMMENDED SYSTEM REQUIREMENTS

Refer to the *Scout System Requirements* document for minimum and recommended system requirements.

ADDITIONAL INFORMATION

NOTE

VPGate requires a license to operate.

If VPGate is installed in a redundant configuration, there are two instances installed and running independently on two licensed computers. Each instance requires a license to operate, which subjects the software to the following limitations:

- VPGate software will not launch without a license.
- VPGate software will terminate functioning after 96 hours if the license is removed and not replaced.
- The second instance of VPGate will automatically assume functions of the terminating instance, so no loss of system functionality should typically occur.
- The number and types of endpoint devices controlled are limited by the license contents. (There are presently four levels available.)
- A redundant VPGate license does not allow the second instance of VPGate to exceed the licensed number of endpoints.