

# TR-069 vs SNMP

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Feature	SNMP	TR-069
The concept	Protocol to communicate with specific CPE	The TR-069 is a standard to communicate with all CPEs. <b>TR-069 is not only a protocol but includes business rules.</b>
Supported commands from server side	SNMP includes only: Get/Set and traps.	TR-069 includes : Set /Get, traps, create object, Delete object, File download, File upload, Reboot, reset, diagnostics commands (Ping, loopback, etc) + support of additional RPCs
Built-in ability to manage multiple types of CPEs	No. Each CPE type requires customizations	In-dependant of CPE vendor or CPE type.
Enforce xSP policy on CPE	NA	Ability to enforce the xSP policy. (for example : the user can't change CPE specific parameters)

# TR-069 vs SNMP (cont.)

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Feature	SNMP	TR-069
Zero Touch provisioning	Per CPE type (if available)	Yes, part of the standard
Diagnostics and monitoring	Per CPE type (if available)	Yes, part of the standard
Data Monitoring	No	Yes
Enforcing Carrier's policy on CPE & Access Control	No	Yes
Firmware upgrade	Not part of the protocol	Yes
Security	Not part of the protocol	Full security
Standard way to handle non-standard settings	No	Yes
One platform for DSL, Wimax and Optical networks	No	Yes
More adopted by the main carriers	No	Yes