

## USER MODE

Children mode(s): **PRIVILEGED**

Command	Description
enable	After password authentication enable privileged mode → <b>PRIVILEGED</b>
help	Access to the help
logout	Log out of the system

## PRIVILEGED MODE

**USER** →

Parent mode: **USER** | Children mode(s): **CONFIGURATION**

Command	Description
<b>boot</b> ▼	Set system boot parameters
boot factory-reset	Do factory reset
boot upgrade	Upgrade boot image
<b>clock</b> ▼	Set current system time and date
clock date	Set current system date (YYYY-MM-DD)
clock time	Set current system time (hh:mm:ss)

Command	Description
configure	Switch to configuration commands → <b>CONFIGURATION</b>
<b>copy ▾</b>	Copy data from one file to another
copy nvm	Copy from NVM (non-volatile memory)
copy ram	Copy from RAM (volatile memory)
<b>copy running-config ▾</b>	Copy running-config
copy running-config boot-config	Copy running-config to boot-config
copy running-config nvm	Copy running-config to NVM (non-volatile memory)
copy running-config ram	Copy running-config to RAM (volatile memory)
copy running-config sftp	Copy running config to SFTP server
copy running-config tftp	Copy running config to TFTP server
copy sftp	Copy from SFTP
copy tftp	Copy from TFTP

Command	Description
<b>dir ▼</b>	List files from local storage
dir nvm	List files from NVM (non-volatile memory)
dir ram	List files from RAM (volatile memory)
disable	Disable privileged commands → <b>USER</b>
exit	Return to the previous level → <b>USER</b>
export-help	View help of all commands
help	Access to the help
ping	Send ICMP echo request to network host (IP address or hostname)
tracert	Trace route to network host (IP address or hostname)
<b>reboot ▼</b>	Perform a restart of the device
reboot now	Reboot immediately
reboot timeout	Schedule or cancel reboot

Command	Description
repeat	Repeat a command from history
<b>rmfile ▼</b>	Remove a file
rmfile nvm	Remove a file from NVM (non-volatile memory)
rmfile ram	Remove a file from RAM (volatile memory)
<b>view ▼</b>	View information about the running system
view bootvar	View boot information
view boot-config	View boot configuration
view clock	View current system time and date
view diff	Compare boot configuration with running configuration
view history	View command history
<b>view dot1x ▼</b>	View DOT1X settings <i>(also accepts subcommands)</i>
<b>view dot1x authenticator ▼</b>	View Authenticator status

Command	Description
view dot1x authenticator state	View authenticator state
<b>view dot1x authenticator statistics ▼</b>	View authenticator statistics
view dot1x authenticator statistics FramesRx	View column Frames Rx
view dot1x authenticator statistics FramesTx	View column Frames Tx
view dot1x authenticator statistics StartFramesRx	View column Start Frames Rx
view dot1x authenticator statistics LogoffFramesRx	View column Logoff Frames Rx
view dot1x authenticator statistics RespIdFramesRx	View column Resp IdFrames Rx
view dot1x authenticator statistics RespFramesRx	View column Resp Frames Rx
view dot1x authenticator statistics ReqIdFramesTx	View column ReqId Frames Tx
view dot1x authenticator statistics ReqFramesTx	View column Req Frames Tx
view dot1x authenticator statistics InvalidFramesRx	View column Invalid Frames Rx
view dot1x authenticator statistics LengthErrorFramesRx	View column Length Error Frames Rx

Command	Description
view dot1x authenticator statistics LastFrameVersion	View column Last Frame Version
view dot1x authenticator statistics LastFrameSource	View column Last Frame Source
<b>view dot1x authenticator diagnostics ▼</b>	View authenticator diagnostics
view dot1x authenticator diagnostics EntersConn	View column Enters connecting
view dot1x authenticator diagnostics LogoffsWhileConn	View column Logoffs while connecting
view dot1x authenticator diagnostics EntersAuth	View column Enters authenticating
view dot1x authenticator diagnostics SuccessWhileAuth	View column Success while authenticating
view dot1x authenticator diagnostics TimeoutsWhileAuth	View column Timeouts while authenticating
view dot1x authenticator diagnostics FailWhileAuth	View column Fail while authenticating
view dot1x authenticator diagnostics ReauthsWhileAuthing	View column Reauths while authenticating
view dot1x authenticator diagnostics StartsWhileAuthing	View column Starts while authenticating
view dot1x authenticator diagnostics LogoffWhileAuthing	View column Logoff while authenticating

Command	Description
view dot1x authenticator diagnostics ReauthsWhileAuthenticated	View column Reauths while authenticated
view dot1x authenticator diagnostics StartsWhileAuthenticated	View column Starts while authenticated
view dot1x authenticator diagnostics LogoffWhileAuthenticated	View column Logoff while authenticated
view dot1x authenticator diagnostics BackendResponses	View column Backend responses
view dot1x authenticator diagnostics AccessChallenges	View column Access challenges
view dot1x authenticator diagnostics OtherRequests	View column Other Requests to supplicant
view dot1x authenticator diagnostics NonNakResponses	View column NonNak Responses from supplicant
view dot1x authenticator diagnostics AuthSuccesses	View column Auth Successes
view dot1x authenticator diagnostics AuthFails	View column Auth Fails
view dot1x authenticator session	View authenticator session
view dot1x authenticator port	View authenticator port
<b>view dot1x supplicant ▾</b>	View Supplicant status

Command	Description
view dot1x supplicant state	View supplicant state
<b>view dot1x supplicant statistics ▾</b>	View supplicant statistics
view dot1x supplicant statistics FramesRx	View column Frames Rx
view dot1x supplicant statistics FramesTx	View column Frames Tx
view dot1x supplicant statistics StartFramesTx	View column Start Frames Tx
view dot1x supplicant statistics LogoffFramesTx	View column Logoff Frames Tx
view dot1x supplicant statistics RespIdFramesTx	View column Resp IdFrames Tx
view dot1x supplicant statistics RespFramesTx	View column Resp Frames Tx
view dot1x supplicant statistics ReqIdFramesRx	View column ReqId Frames Rx
view dot1x supplicant statistics ReqFramesRx	View column Req Frames Rx
view dot1x supplicant statistics InvalidFramesRx	View column Invalid Frames Rx
view dot1x supplicant statistics LengthErrorFramesRx	View column Length Error Frames Rx
view dot1x supplicant statistics LastFrameVersion	View column Last Frame Version

Command	Description
view dot1x supplicant statistics LastFrameSource	View column Last Frame Source
view dot1x supplicant port	View supplicant port
<b>view ports ▼</b>	View information about ports
view ports alias	View alias (description) of ports
view ports errorCounters	View error counters for ports
view ports summary	View summary of ports
view ports stats	View statistics for ports
view ports status	View status of all device ports
view input	View digital inputs
view ip	View information about network settings
<b>view log ▼</b>	View log contents
<b>view log count ▼</b>	Count all events <i>(also accepts subcommands)</i>
view log count emergency	Count only emergency severity

Command	Description
view log count alert	Count only alert severity
view log count critical	Count only critical severity
view log count error	Count only error severity
view log count warning	Count only warning severity
view log count notice	Count only notice severity
view log count info	Count only info severity
view log count debug	Count only debug severity
<b>view log list ▼</b>	List all events <i>(also accepts subcommands)</i>
view log list emergency	List only emergency severity
view log list alert	List only alert severity
view log list critical	List only critical severity
view log list error	List only error severity
view log list warning	List only warning severity

Command	Description
view log list notice	List only notice severity
view log list info	List only info severity
view log list debug	List only debug severity
<b>view radius ▼</b>	View RADIUS configuration <i>(also accepts subcommands)</i>
view radius server1	View RADIUS server 1 settings
view radius server2	View RADIUS server 2 settings
view reboot-timeout	View reboot timeout remaining seconds
<b>view running-config ▼</b>	View current (running) configuration <i>(also accepts subcommands)</i>
view running-config full	View current (running) configuration with all defaults
view syslog	View SYSLOG
view system	View basic system information
view tacacs	View TACACS configuration

Command	Description
view topology	View selected topology protocol
view version	View hardware and firmware details
view vlan	View VLAN configuration and status
<b>view lacp ▼</b>	View LACP settings
<b>view lacp parameters ▼</b>	LACP parameters
view lacp parameters lag	LACP LAG parameters
view lacp parameters port	LACP port parameters
<b>view lacp summary ▼</b>	LACP summary information <i>(also accepts subcommands)</i>
view lacp summary lag	LACP LAG summary information
<b>view lacp verbose ▼</b>	LACP verbose information <i>(also accepts subcommands)</i>
view lacp verbose lag	LACP LAG verbose information

## CONFIGURATION MODE

USER → PRIVILEGED →

Parent mode: PRIVILEGED | Children mode(s): PORT RING LINE INPUT VLAN LAG

Command	Description
description	Set system description
do	Do command from privileged mode <i>(commands from privileged)</i>
<b>dot1x ▼</b>	Configure IEEE 802.1X
dot1x disable	Disable NAS service
dot1x enable	Enable NAS service
<b>enable-password ▼</b>	Set enable password
enable-password hash	Set enable password as HASH
enable-password sha-512	Set enable password as SHA-512
enable-password none	Remove enable password
end	Return to the previous level → <b>PRIVILEGED</b>
exit	Return to the previous level → <b>PRIVILEGED</b>
hostname	Set hostname
port	Set port → <b>PORT</b>
ring	Set METEL LAN-RING protocol → <b>RING</b>
<b>line ▼</b>	Configure line (USB/SSH) settings → <b>LINE</b>
line usb	USB interface
line ssh	SSH interface

Command	Description
<b>snmp</b> ▼	Configure SNMP settings
<b>snmp version</b> ▼	Configure SNMP version
snmp version v2c	Set SNMP to version 2c
snmp version v3	Set SNMP to version 3
<b>snmp trap</b> ▼	Configure SNMP trap
<b>snmp trap conf-changed</b> ▼	Configuration changed TRAP settings
snmp trap conf-changed changed-disable	Disable configuration changed
snmp trap conf-changed changed-enable	Enable configuration changed
<b>snmp trap live-check</b> ▼	Live check TRAP settings
snmp trap live-check disable	Disable trap destination
snmp trap live-check enable	Enable trap destination
snmp trap live-check timeout	Set timeout [s]
snmp trap live-check syslog-disable	Disable write to logger
snmp trap live-check syslog-enable	Enable write to logger
<b>snmp trap temperature</b> ▼	Temperature monitoring SNMP trap configuration
snmp trap temperature limit	Set limit [C]
snmp trap temperature over-limit-disable	Disable SNMP trap when temperature exceeds upper limit
snmp trap temperature over-limit-enable	Enable SNMP trap when temperature exceeds upper limit

Command	Description
snmp trap temperature under-limit-disable	Disable SNMP trap when temperature drops below lower limit
snmp trap temperature under-limit-enable	Enable SNMP trap when temperature drops below lower limit
<b>snmp trap voltage ▼</b>	Voltage monitoring SNMP trap configuration
<b>snmp trap voltage backup ▼</b>	Configure backup voltage traps
snmp trap voltage backup ov-limit	Set overvoltage limit [V]
snmp trap voltage backup ov-over-disable	Disable overvoltage limit
snmp trap voltage backup ov-over-enable	Enable overvoltage limit
snmp trap voltage backup ov-under-disable	Disable overvoltage limit
snmp trap voltage backup ov-under-enable	Enable overvoltage limit
snmp trap voltage backup uv-limit	Set undervoltage limit [V]
snmp trap voltage backup uv-over-disable	Disable undervoltage over limit
snmp trap voltage backup uv-over-enable	Enable undervoltage over limit
snmp trap voltage backup uv-under-disable	Disable undervoltage under limit
snmp trap voltage backup uv-under-enable	Enable undervoltage under limit
<b>snmp trap voltage primary ▼</b>	Configure primary voltage traps
snmp trap voltage primary ov-limit	Set overvoltage limit [V]
snmp trap voltage primary ov-over-disable	Disable overvoltage limit
snmp trap voltage primary ov-over-enable	Enable overvoltage limit

Command	Description
snmp trap voltage primary ov-under-disable	Disable overvoltage limit
snmp trap voltage primary ov-under-enable	Enable overvoltage limit
snmp trap voltage primary uv-limit	Set undervoltage limit [V]
snmp trap voltage primary uv-over-disable	Disable undervoltage over limit
snmp trap voltage primary uv-over-enable	Enable undervoltage over limit
snmp trap voltage primary uv-under-disable	Disable undervoltage under limit
snmp trap voltage primary uv-under-enable	Enable undervoltage under limit
<b>snmp dest-trap ▼</b>	Configure SNMP trap destinations
<b>snmp dest-trap host1 ▼</b>	TRAP destination host 1 settings
snmp dest-trap host1 disable	Disable trap destination
snmp dest-trap host1 enable	Enable trap destination
snmp dest-trap host1 ip	Set IPv4 for destination
snmp dest-trap host1 port	Set port for destination
snmp dest-trap host1 name	Set SNMP community or username
<b>snmp dest-trap host2 ▼</b>	TRAP destination host 2 settings
snmp dest-trap host2 disable	Disable trap destination
snmp dest-trap host2 enable	Enable trap destination
snmp dest-trap host2 ip	Set IPv4 for destination
snmp dest-trap host2 port	Set port for destination
snmp dest-trap host2 name	Set SNMP community or username

Command	Description
<b>snmp dest-trap host3 ▼</b>	TRAP destination host 3 settings
snmp dest-trap host3 disable	Disable trap destination
snmp dest-trap host3 enable	Enable trap destination
snmp dest-trap host3 ip	Set IPv4 for destination
snmp dest-trap host3 port	Set port for destination
snmp dest-trap host3 name	Set SNMP community or username
<b>snmp dest-trap host4 ▼</b>	TRAP destination host 4 settings
snmp dest-trap host4 disable	Disable trap destination
snmp dest-trap host4 enable	Enable trap destination
snmp dest-trap host4 ip	Set IPv4 for destination
snmp dest-trap host4 port	Set port for destination
snmp dest-trap host4 name	Set SNMP community or username
<b>snmp dest-trap host5 ▼</b>	TRAP destination host 5 settings
snmp dest-trap host5 disable	Disable trap destination
snmp dest-trap host5 enable	Enable trap destination
snmp dest-trap host5 ip	Set IPv4 for destination
snmp dest-trap host5 port	Set port for destination
snmp dest-trap host5 name	Set SNMP community or username
<b>sntp ▼</b>	Configure SNTP
sntp disable	Disable SNTP

Command	Description
sntp enable	Enable SNTP
sntp server1	Configure primary SNTP server IP address
sntp server2	Configure secondary SNTP server IP address
sntp server3	Configure tertiary SNTP server IP address
sntp request-interval	Server request interval in seconds
sntp timezone	Timezone offset in hours
sntp auto-DST-disable	Disable automatic daylight saving time correction
sntp auto-DST-enable	Enable automatic daylight saving time correction
sntp synchronize	Try to synchronize with SNTP servers
sntp set-time	Set time in format dd.mm.yyyy hh:mm:ss
<b>igmp ▼</b>	Configure IGMP
igmp snooping-disable	Disable IGMP snooping
igmp snooping-enable	Enable IGMP snooping
input	Configure input signal settings → <b>INPUT</b>
<b>ip ▼</b>	Configure IP protocol settings

Command	Description
ip addr-mask	Set IP address and mask in slash format <IP>/<MASKNUMBER>
ip addr	Set IP address
ip dns	Specify DNS
ip gate	Configure IP gateway
ip mask	Configure IP mask
ip icmp-echo-disable	Disable ICMP echo
ip icmp-echo-enable	Enable ICMP echo
ip vlan-disable	Disable VLAN tagging for IP
ip vlan-enable	Enable VLAN tagging for IP
ip vlan-id	Specify VLAN ID
ip vlan-pri	Specify VLAN priority
<b>mirror ▼</b>	Data src and dst port mirroring settings
mirror ingress-dst	Set the destination port for ingress mirrored data
mirror no-ingress-dst	Disables destination port for ingress mirrored data
mirror egress-dst	Set the destination port for egress mirrored data
mirror no-egress-dst	Disables destination port for egress mirrored data

Command	Description
mirror cpu-ingress-src	Selects CPU port ingress data as mirroring source
mirror no-cpu-ingress-src	Selects CPU port egress data as mirroring source
mirror cpu-egress-src	Disables CPU port ingress data as mirroring source
mirror no-cpu-egress-src	Disables CPU port egress data as mirroring source
<b>radius ▼</b>	Configure RADIUS
<b>radius server1 ▼</b>	RADIUS server 1 settings
radius server1 disable	Disable server
radius server1 enable	Enable server
radius server1 host	Set host for server
<b>radius server1 key ▼</b>	Set communication encryption key
radius server1 key code	Set communication encryption key as CODE
radius server1 key base32	Set communication encryption key as Base32
radius server1 key none	Remove communication encryption key
radius server1 timeout	Set communication timeout in seconds
<b>radius server2 ▼</b>	RADIUS server 2 settings

Command	Description
radius server2 disable	Disable server
radius server2 enable	Enable server
radius server2 host	Set host for server
<b>radius server2 key ▼</b>	Set communication encryption key
radius server2 key code	Set communication encryption key as CODE
radius server2 key base32	Set communication encryption key as Base32
radius server2 key none	Remove communication encryption key
radius server2 timeout	Set communication timeout in seconds
<b>syslog ▼</b>	Configure SYSLOG
<b>syslog server1 ▼</b>	SYSLOG server 1 settings
syslog server1 disable	Disable server
syslog server1 enable	Enable server
syslog server1 host	Set host for server
<b>syslog server2 ▼</b>	SYSLOG server 2 settings
syslog server2 disable	Disable server
syslog server2 enable	Enable server
syslog server2 host	Set host for server

Command	Description
<b>tacacs ▼</b>	Configure TACACS+
<b>tacacs server1 ▼</b>	TACACS+ server 1 settings
tacacs server1 disable	Disable server
tacacs server1 enable	Enable server
tacacs server1 host	Set host for server
<b>tacacs server1 key ▼</b>	Set communication encryption key
tacacs server1 key code	Set communication encryption key as CODE
tacacs server1 key base32	Set communication encryption key as Base32
tacacs server1 key none	Remove communication encryption key
tacacs server1 timeout	Set communication timeout in seconds
<b>tacacs server2 ▼</b>	TACACS+ server 2 settings
tacacs server2 disable	Disable server
tacacs server2 enable	Enable server
tacacs server2 host	Set host for server
<b>tacacs server2 key ▼</b>	Set communication encryption key
tacacs server2 key code	Set communication encryption key as CODE

Command	Description
tacacs server2 key base32	Set communication encryption key as Base32
tacacs server2 key none	Remove communication encryption key
tacacs server2 timeout	Set communication timeout in seconds
<b>topology ▼</b>	Configure topology protocol
<b>topology mode ▼</b>	Set topology protocol
topology mode none	No topology protocol
topology mode lan-ring	Enable LAN-RING mode
topology mode rstp-m	Enable RSTP-M mode
<b>topology rstp-m ▼</b>	Configure RSTP-M mode
topology rstp-m priority	Set RSTP-M priority
topology rstp-m hello-time	Set RSTP-M hello time
topology rstp-m max-age	Set RSTP-M max age
topology rstp-m forward-delay	Set RSTP-M forward delay
user-add	Add or modify a user. Use: user-add USERNAME sha-512 PASSWORD
user-del	Delete/Remove the user by USERNAME
user-erase-all	(IMPORT) Remove all users including the metel user

Command	Description
vlan	VLAN-specific commands → <b>VLAN</b>
vlan-init-tab	Initialize VLAN tables
lag	Configure LAG → <b>LAG</b>
<b>import ▾</b>	Import configuration from file
import nvm	Import configuration from NVM
import ram	Import configuration from RAM

## PORT MODE

USER → PRIVILEGED → CONFIGURATION →

Parent mode: CONFIGURATION

Command	Description
adv-10-full-disable	Disable AN 10Mbps full-duplex
adv-10-full-enable	Enable AN 10Mbps full-duplex
adv-10-half-disable	Disable AN 10Mbps half-duplex
adv-10-half-enable	Enable AN 10Mbps half-duplex
adv-100-full-disable	Disable AN 100Mbps full-duplex
adv-100-full-enable	Enable AN 100Mbps full-duplex
adv-100-half-disable	Disable AN 100Mbps half-duplex
adv-100-half-enable	Enable AN 100Mbps half-duplex
adv-1000-full-disable	Disable AN 1000Mbps full-duplex

Command	Description
adv-1000-full-enable	Enable AN 1000Mbps full-duplex
alias	Set port alias (description)
an-enable	Enable AN
an-disable	Disable AN
atu-disable-learning	Disable address table learning
atu-disable-using-da	Disable usage of destination address in ATU
<b>atu-egress-mode ▼</b>	Set ATU egress filtering mode
atu-egress-mode all	All
atu-egress-mode no-unknown-unicast	No unknown unicast
atu-egress-mode no-unknown-multicast	No unknown multicast
atu-egress-mode no-unknown-DA	No unknown destination address
atu-enable-learning	Enable learning
atu-enable-using-da	Enable using destination address
do	Do command from privileged mode ( <i>commands from privileged</i> )
<b>dot1x-auth ▼</b>	Authenticator
dot1x-auth force-auth	Port control: force authorized
dot1x-auth force-auto	Port control: auto
dot1x-auth force-unauth	Port control: force unauthorized
dot1x-auth reauth-enable	Enable re-auth

Command	Description
dot1x-auth reauth-disable	Disable re-auth
dot1x-auth keytx-enable	Enable KeyTx
dot1x-auth keytx-disable	Disable KeyTx
dot1x-auth quiet-period	Set Quiet period
dot1x-auth tx-period	Set Tx period
dot1x-auth reauth-period	Set Re-auth period
dot1x-auth supp-timeout	Set Supp timeout
dot1x-auth server-timeout	Set Server timeout
dot1x-auth max-request	Set max. request
<b>dot1x-supp ▼</b>	Supplicant
dot1x-supp force-auth	Port control: force authorized
dot1x-supp force-auto	Port control: auto
dot1x-supp force-unauth	Port control: force unauthorized
dot1x-supp admin-valid	Set admin port valid
dot1x-supp admin-invalid	Set admin port invalid
dot1x-supp identity	Set identity name
<b>dot1x-supp password ▼</b>	Set password value
dot1x-supp password code	Set password as CODE
dot1x-supp password base32	Set password as Base32
dot1x-supp password none	Remove password

Command	Description
dot1x-supp held-period	Set Held period
dot1x-supp auth-period	Set Auth period
dot1x-supp start-period	Set Start period
dot1x-supp max-start	Set Max start
end	Return to the previous level → <b>CONFIGURATION</b>
exit	Return to the previous level → <b>CONFIGURATION</b>
force-10-full	Force ethernet speed 10Mbps full-duplex
force-10-half	Force ethernet speed 10Mbps half-duplex
force-100-full	Force ethernet speed 100Mbps full-duplex
force-100-half	Force ethernet speed 100Mbps half-duplex
force-1000-full	Force ethernet speed 1000Mbps full-duplex
<b>jumbo ▼</b>	Set jumbo packet size
jumbo 1522B	Set jumbo packet size 1522B
jumbo 2048B	Set jumbo packet size 2048B
jumbo 10240B	Set jumbo packet size 10240B
lacp-actor-prio	Set LACP actor port priority [default: 128]
lacp-actor-mode-active	LACP actor active mode [default: default]
lacp-actor-mode-passive	LACP actor passive mode
lacp-actor-shorttimeout-on	Enable LACP actor short timeout
lacp-actor-shorttimeout-off	Disable LACP actor short timeout [default: default]

Command	Description
lACP-actor-aggregation-on	Enable LACP actor aggregation [default: default]
lACP-actor-aggregation-off	Disable LACP actor aggregation
lACP-lag	Set port to given LAG
lACP-partner-key	Set LACP partner administrative key [default: 0]
lACP-partner-port	Set LACP partner administrative port number [default: 0]
lACP-partner-prio	Set LACP partner administrative port priority [default: 0]
lACP-partner-sys-id	Set LACP partner administrative system ID [default: 00:00:00:00:00:00]
lACP-partner-sys-prio	Set LACP partner administrative system priority [default: 0]
<b>mdiX</b> ▼	Set Media Dependent Interface Crossover
mdiX force-mdi	Force MDI mode
mdiX force-mdiX	Force MDIX mode
mdiX auto	Auto mode for MDI/MDIX
<b>mirror</b> ▼	Setting source ports for mirroring
mirror ingress-src	Selects port ingress data as mirroring source
mirror egress-src	Selects port egress data as mirroring source
mirror no-ingress-src	Disables port ingress data as a mirroring source
mirror no-egress-src	Disables port egress data as a mirroring source
no-lACP-lag	Remove port from LAG [default: default]

Command	Description
pae-mode-auth	Set authenticator mode
pae-mode-none	Set none PAE mode
pae-mode-supp	Set supplicant mode
poe-disable	Disable PoE
poe-donot-ignore-discovery	Do not ignore discovery
poe-enable	Enable Power over Ethernet
poe-ignore-discovery	Ignore PoE discovery
poe-no-swap-pairs	Do not swap PSE pri/sec pairs
poe-no-power-limit	No power limit
poe-power-limit	Set PoE power limit (mW)
poe-swap-pairs	Swap PoE PSE pairs
port-vlan-default	Set default port-based VLAN
port-vlan-member	Configure port-based VLAN membership
port-vlan-no-member	Remove Port-based VLAN
power-down	Power down (shutdown) the port
power-up	Power up (negate the shutdown) the port
rate-in-limit	Limit input speed rate
rate-in-nolimit	Disable rate in speed limit
rate-in-speed	Set input speed rate in kbps
rate-out-limit	Limit output speed rate

Command	Description
rate-out-nolimit	Disable rate out speed limit
rate-out-speed	Set output speed rate in kbps
rstp-cost	Set RSTP-M admin cost
rstp-disable	Disable RSTP-M on port
rstp-edge	Enable RSTP-M admin edge
rstp-edge-none	No admin edge
rstp-enable	Enable RSTP-M on port
rstp-prio	Set RSTP-M port priority
vlan-keep-tag	Do not discard Tag
vlan-keep-untag	Do not discard Untag
vlan-keep-vid	Do not force VLAN VID
vlan-none	Disable VLAN MODE
vlan-default-id	Set default VLAN ID
vlan-discard-tag	Discard tagged VLAN frames
vlan-discard-untag	Discard untagged VLAN frames
vlan-force-vid	Force VLAN ID
<b>vlan-mode ▾</b>	Set VLAN mode
vlan-mode fallback	Enable fallback mode
vlan-mode check	Enable check mode
vlan-mode secure	Enable secure mode

Command	Description
<b>vlan-pri-initial</b> ▾	Set ports initial priority mode
vlan-pri-initial override	Use only ports default priority value
vlan-pri-initial tag-only	Use priority from tag
vlan-pri-initial ip-only	Use priority from IP header
vlan-pri-initial iptag-comb	Use priority from IP header or tag
vlan-pri-initial iptag-tag	Use priority from tag or IP header
vlan-pri-value	Set ports default priority value

## RING MODE

USER → PRIVILEGED → CONFIGURATION →

Parent mode: CONFIGURATION

Command	Description
end	Return to the previous level → CONFIGURATION
exit	Return to the previous level → CONFIGURATION
do	Do command from privileged mode <i>(commands from privileged)</i>
enable	Enable METEL LAN-RING
disable	Disable METEL LAN-RING
rid	Set METEL LAN-RING identifier
master	Set METEL LAN-RING Master (only v1)
slave	Set METEL LAN-RING Slave (only v1)

Command	Description
atu-clear-enable	Enable ATU clear (only v2)
atu-clear-disable	Disable ATU clear (only v2)
<b>version ▼</b>	Set METEL LAN-RING version
version v1	METEL LAN-RING version 1
version v2	METEL LAN-RING version 2

## LINE MODE

USER → PRIVILEGED → CONFIGURATION →

Parent mode: CONFIGURATION

Command	Description
<b>authentication ▼</b>	Authentication configurations parameters
<b>authentication method1 ▼</b>	First authentication method
authentication method1 deny	No authentication
authentication method1 permit	Permit authentication
authentication method1 local	Local authentication
authentication method1 tacacs	TACACS+ authentication
<b>authentication method2 ▼</b>	Second authentication method
authentication method2 deny	No authentication
authentication method2 permit	Permit authentication
authentication method2 local	Local authentication

Command	Description
authentication method2 tacacs	TACACS+ authentication
<b>authentication method3 ▼</b>	Third authentication method
authentication method3 deny	No authentication
authentication method3 permit	Permit authentication
authentication method3 local	Local authentication
authentication method3 tacacs	TACACS+ authentication
banner	Specify terminal
disable	Disable terminal
do	Do command from privileged mode ( <i>commands from privileged</i> )
enable	Enable terminal [default: default]
end	Return to the previous level → <b>CONFIGURATION</b>
exit	Return to the previous level → <b>CONFIGURATION</b>
timeout	Set activity timeout in seconds (0 = disabled) [default: 3600]

## INPUT MODE

USER → PRIVILEGED → CONFIGURATION →

Parent mode: CONFIGURATION

Command	Description
end	Return to the previous level → <b>CONFIGURATION</b>

Command	Description
exit	Return to the previous level → <b>CONFIGURATION</b>
do	Do command from privileged mode <i>(commands from privileged)</i>
label	Set digital input label
negation-enable	Enable negation of digital input
negation-disable	Disable negation of digital input
min-duration	Set Minimal pulse duration in milliseconds with step 10ms

## VLAN MODE

USER → PRIVILEGED → CONFIGURATION →

Parent mode: **CONFIGURATION**

Command	Description
do	Do command from privileged mode <i>(commands from privileged)</i>
end	Exit VLAN configuration → <b>CONFIGURATION</b>
exit	Exit VLAN configuration → <b>CONFIGURATION</b>
member-none	Remove VLAN membership
member-tagged	Tag VLAN membership
member-unmodified	Set VLAN membership to unmodified
member-untagged	Untag VLAN membership
<b>priority-override</b> ▾	Override VLAN priority
priority-override 0	Override priority with number 0

Command	Description
priority-override 1	Override priority with number 1
priority-override 2	Override priority with number 2
priority-override 3	Override priority with number 3
priority-override 4	Override priority with number 4
priority-override 5	Override priority with number 5
priority-override 6	Override priority with number 6
priority-override 7	Override priority with number 7
priority-override disable	Disable priority override
remove	Remove VLAN
disable	Disable VLAN
enable	Enable VLAN

## LAG MODE

USER → PRIVILEGED → CONFIGURATION →

Parent mode: CONFIGURATION

Command	Description
actor-key	Set LAG actor key [default: 100-800]
actor-sys-id	Set LAG actor system ID [default: own MAC address]
actor-sys-prio	Set LAG actor system priority [default: 32768]
disable	Disable LAG

Command	Description
do	Do command from privileged mode ( <i>commands from privileged</i> )
enable	Enable LAG [default: default]
end	Exit LAG configuration → <b>CONFIGURATION</b>
exit	Exit LAG configuration → <b>CONFIGURATION</b>
maximum-links	Maximum number of simultaneously active ports [default: 8]