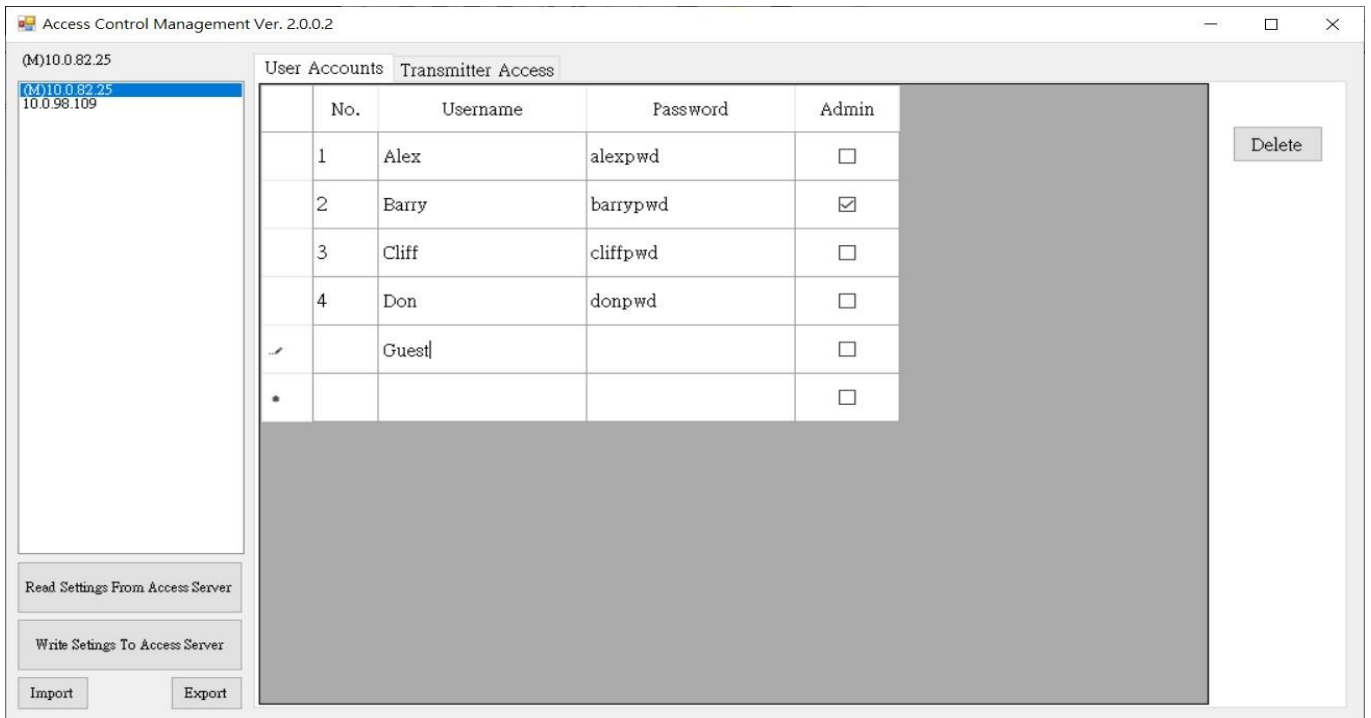


KVM over IP *with* Access Control Management

Introduction

The KVM over IP Access Control Management is a Windows based software for creating User Accounts with the Access Permission for all of KVM over IP Transmitter Devices. Users must be logged-in to the Receiver unit with Username/Password to get Access Permission. The following table gives an example of User Accounts:



System Requirement for the KVM over IP with Access Control:

- ★ AV-952x/DV-952x Tx/Rx units with -AC firmware built-in.
- ★ Windows based PC
- ★ KVM over IP Access Control Management software.
- ★ 1 or 2 Tx to activate as Access Server for backup User Account information
- ★ Gigabit Ethernet Switch

Access Permission

Each Transmitter can be configured any of 5 permission for each User:

Exclusive, Occupy, Control, View, Disabled.

- ★ **Exclusive:** During an Exclusive User is accessing a Tx, no other user can connect to that Tx. Exclusive User can kick out any other non-Exclusive User for the same Tx. The timeout function does not apply when Exclusive User is accessing the Tx.
- ★ **Occupy:** If a Tx is accessed by a Occupy User (Occupy Mode), all other permitted users (except Exclusive) can connect to the same Tx with only operating in View mode until the Tx timeout expired. If a Tx is accessed by a Control User, another Occupy User can connect to the same Tx and Tx will become Occupy Mode with the first Control User.
- ★ **Control:** If a Tx is accessed by a Control User, the Tx is under keyboard/mouse Sharing Mode.
- ★ **View:** A View User always access Tx in View Mode.
- ★ **Disabled:** The transmitter is invisible to this user.

User Access Scenarios

- ★ **One Exclusive User:** When Exclusive User1 is accessing Tx1, no other user can connect to Tx1. User1 can kick out any other non-Exclusive User when other users are using it. The timeout function does not apply when Exclusive User is accessing the Tx.
- ★ **One Occupy User:** When Occupy User3 is accessing Tx1, other permitted users (except Exclusive) can connect to the same Tx1 in View mode until the Tx1 timeout expired. If a Tx is accessed by a Control User, another Occupy User can connect to the same Tx and Tx will become Occupy Mode with the first Control User. Default timeout 5 secs;
- ★ **One Control User:** When Control User5 is accessing Tx1, it is under Sharing Mode where other user with the same permission can view and fighting for the keyboard/mouse.
- ★ **One View User:** When View User7 is accessing Tx1, he/she would only be able to view and cannot control the keyboard and mouse.
- ★ **Two Occupy Users:** Assume Tx1 is used by Occupy User2, another Occupy User3 tries to get access to Tx1, he will only be able to view what User2 is operating on Tx1. User3 cannot get control of the keyboard/mouse until there is no mouse operation or a fixed timeout of no operation on Tx1 by User2.

- ★ **Two Control Users:** Assume Tx1 is used by Control User5, another Control User6 is trying to access Tx1, both the users would be fighting for the keyboard/mouse.
- ★ **One Occupy, one Control Users:** Assume Tx1 is used by Occupy User2, another Control User4 tries to get access to Tx1, he will only be able to view what User2 is operating on Tx1. Subsequently they will both be on Occupy mode status where User4 would be waiting for User2 to timeout.
- ★ **One Exclusive, one Occupy Users:** Assume Tx1 is used by Exclusive User1, another Occupy User2 tries to get access to Tx1, he will be denied as the User1 is on Exclusive mode.
- ★ **One Occupy, one Exclusive Users:** Assume Tx1 is used by Occupy User2, another Exclusive User1 will kick out User2 and take over from there.
- ★ **One Exclusive, one Admin Users:** Assume Tx1 is used by Exclusive User1, another Admin User tries to get access to Tx1, both users are able to share Tx1 (display, keyboard, mouse).
- ★ **One Admin, one Exclusive Users:** Assume Tx1 is used by Admin User, another Exclusive User1 tries to get access to Tx1, both users are able to share Tx1 (display, keyboard, mouse).
- ★ **One Occupy, one Admin Users:** Assume Tx1 is used by Occupy User1, another Admin User tries to get access to Tx1, both users are able to view Tx1, User1 has Full control (display, keyboard, mouse) with Timeout.
- ★ **One Admin, one Occupy Users:** Assume Tx1 is used by Admin User, another Occupy User1 tries to get access to Tx1, both users are able to view Tx1, Admin User has Full control (display, keyboard, mouse) with Timeout.