MOXA®

Certified Associate (MXCA) Training

Industrial Network Training Course Outline

Objective

The MXCA (Moxa Certified Associate) Industrial Ethernet Training Course is designed to provide knowedge around basic functions, operations and diagnosis of Moxa Ethernet switches. This is designed for day to day users of Moxa industrial Ethernet switches to provide them the necessary skills to setup, manage and diagnose any issues in their network.

- Learn common network knowledge to understand how your network operates.
- Learn about Moxa unmanaged switches and their special functions for industrial applications.
- Learn about Moxa managed switches, including typical basic functions and how to configure.
- Learn about how to monitor and diagnose Moxa managed switches.

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Course Outline

Networking Basics
- OSI 7 Layer model
- Switch behaviour

Basic Functions

- **Unmanaged Switch**
  - **BSP**
  - **EEE (Energy Efficient Ethernet)**
  - **Jumbo Frame**
  - **Flow Control**
  - **Media Converter / xDSL extender**
  - **OBU**
- **Managed Switch**
  - **Basic Configuration**
  - **Line swap fast recovery**

- PoE
- Port Trunking
- VLAN
- RSTP / Turbo Ring V2 / Turbo Chain
- SNMP / MxStudio

Diagnosis

- Installation
- Event Log / Syslog
- LED notifications
- Fibre Check
- Import/ Export Config / Firmware
- ABC-01/ABC-02
- Reset to default

Product Portfolio

Training Information

Course duration: 2 days (8:30am - 5:00pm) - Lunch and snacks provided.
The training is conducted in a classroom environment with multiple hands-on opportunities throughout both days to put into action the skills and knowledge learnt.
Colterlec will supply the printed training material for the course.
To achieve the Moxa Certified Associate (MXCA) Industrial Ethernet certification attendees will be required to sit an online multichoice exam at the conclusion to day 2 of the training. A digital certificate will be emailed to attendees who successfully passed the training course.

Requirements

Your own laptop with administrative rights to be able to disable the firewall and install software. If your corporate laptop does not allow this, you may consider bringing your own Windows based laptop. Your laptop must be able to connect to the internet via Wi-Fi.

For more information and pricing, or to register your interest in training, please contact your Colterlec Business Development Manager or email marketing@colterlec.com.au.