

# Enerlin'X FDM128 Ethernet Display for Eight Devices

Firmware Version 7.0.11

Release Note

05/2019



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## Introduction to FDM128 Ethernet Display for Eight Devices

The FDM128 Ethernet display for eight devices (LV344128) is a 1-to-8 human machine interface (HMI). The main component is a 5.7-inch touch screen.

An FDM128 display can be connected to devices via an Ethernet interface by using:

- One or more Ethernet gateways (IFE server, Link150, PowerLogic EGX300 and EGX100, PowerTag Link, PowerTag Link HD, Acti 9 Smartlink SI B, or Acti 9 Smartlink Ethernet gateways).
- One or more third-party Ethernet gateways that possess the appropriate characteristics.

The FDM128 display monitors and controls up to eight devices from the following list:

- Circuit breakers equipped with communicating Micrologic trip units, such as:
  - Masterpact MTZ circuit breakers
  - Masterpact NT/NW circuit breakers
  - Compact NS circuit breakers
  - Compact NSX circuit breakers
  - PowerPact P- and R-frame circuit breakers
  - PowerPact H-, J-, and L-frame circuit breakers
- Switch-disconnectors, such as:
  - Masterpact NT HA switch-disconnectors
  - Masterpact NW NA/HA/HA10/HF switch-disconnectors
  - Compact NS NA switch-disconnectors
  - Compact NSX NA switch-disconnectors
  - PowerPact P- and R-frame switch-disconnectors
  - PowerPact H-, J-, and L-frame switch-disconnectors
- PowerTag Link devices, such as:
  - PowerTag Link
  - PowerTag Link HD
- Acti 9 Smartlink devices, such as:
  - Acti 9 Smartlink SI B
  - Acti 9 Smartlink Modbus
- The information displayed includes measures, alarms, and operating assistance data.

## FDM128 Display Firmware Release History

Date	Firmware version	Availability
May 2019	7.0.11	Release for manufacturing
March 2019	7.0.10	Obsolete
July 2018	6.5.4	Obsolete
September 2017	6.4.2.2	Obsolete
July 2017	6.4.2	Obsolete
December 2016	6.3.4	Obsolete
June 2016	6.2.2	Obsolete
May 2015	6.1.1	Obsolete
October 2014	5.5.6	Obsolete

## Firmware Update Policy

If the latest features of a firmware update are not required, it is not mandatory to update the firmware of a device.

Use this release note to determine whether an update to the latest version of the FDM128 firmware is interesting or relevant for your application.

For more information about the firmware update policy and the firmware compatibility between devices, refer to [DOCA0155EN Micrologic Trip and Control Units - Firmware History](#).

## Firmware Update

For more information on updating the FDM128 firmware, refer to *Enerlin'X FDM128 Ethernet Display for Eight Devices – User Guide*.

## Firmware Version 7.0.11

### Bugs fixed in this firmware version:

- Smartlink channel configuration was lost when restarting FDM128 display

## Firmware Version 7.0.10

### New features in this firmware version:

- Integrated the following devices:
  - PowerTag Link
  - PowerTag Link HD
  - Masterpact NT/NW switch-disconnectors
  - Compact NSX switch-disconnectors
  - Compact NS switch-disconnectors
  - PowerPact P- and R-frame switch-disconnectors
  - PowerPact H-, J-, and L-frame switch-disconnectors
- For all devices:
  - Allows search of devices from a different subnetwork
  - Displays Device view directly if only one device is selected (no General view)
  - Sound feedback when active area on screen is touched
- For all Micrologic trip units and control units:
  - Added IMU location feature in Device view
- For Micrologic X control unit:
  - Displays ERMS mode
  - Measures: displays THD MIN, THD MAX,  $\cos \phi$  per phase
  - Added maintenance reminder events

### Bugs fixed in this firmware version:

- Breaker Operation process was inconsistent with other interfaces
- No progress message was displayed for Breaker Operation function
- Current and time units were inconsistent with Micrologic trip and control units
- Text and graphics were misaligned on FDM128 display

## Firmware Version 6.5.4

### **New features in this firmware version:**

- Integrated the following devices:
  - Acti 9 PowerTag energy sensors with part numbers A9MEM1560 to A9MEM1572
  - Acti 9 OF24 indication auxiliaries
  - Acti 9 SD24 indication auxiliaries
  - PowerTag NSX energy sensors
- For all Micrologic trip units and control units:
  - Quick view additionally displays ampere protection settings: Ir, Isd, li, Ig, and IΔn
  - Safety message displays before Opening and Closing of the circuit breaker
- For Micrologic X control units with firmware version 002.000.003 or greater:
  - Integration of additional events
  - Device view additionally displays:
    - Maintenance: load profile
    - Measures: current demand and power demand
- For Compact NSX circuit breakers with Micrologic 7 trip unit:
  - Device view additionally displays earth leakage current
- For FDM128 display:
  - Selection of Modbus address range (between 1 and 247) before launching device discovery
  - Pre-filling of gateway and device IP addresses according to FDM128 IP address and subnetwork mask
  - Cancellation of device discovery in progress
- Real time refresh rates “Primary” and “Secondary” renamed to “Fast” and “Slow” respectively

### **Bugs fixed in this firmware version:**

- In General view status of Compact NSX and PowerPact H-, J-, L-frame devices was unstable
- Bar graph was not consistent with real-time current values for PowerTag devices
- Text and graphics on display were misaligned

## Firmware Version 6.4.2.2

### **Bugs fixed in this firmware version:**

- There was access competition to the same circuit breaker on the Modbus serial line between several masters.

## Firmware Version 6.4.2

### **New features in this firmware version:**

- Integrated the following devices:
  - Acti 9 Smartlink SI D gateway
  - Enerlin'X IFM Modbus-SL interface
- For Micrologic X control unit:
  - Integrated MTZ active alarms and alarm history

### **Bugs fixed in this firmware version:**

- In the General view grid, intermittent communication status toggling resulted in unhealthy status indicated in orange.
- Auto-discovery did not always function when more than nine Modbus slave devices were connected to the same master gateway.
- When IO modules were connected to a Compact NSX circuit breaker without a BSCM installed, the Quick View circuit breaker status was shown as "Open".
- For Compact NSX circuit breaker without a BSCM installed, some pages in Quick View display were shown as 'not responding' in the title bar.
- For Masterpact MTZ circuit breaker, FDM128 displayed incorrect contact wear value in maintenance page.
- For Masterpact MTZ circuit breaker, FDM128 displayed incorrect power factor value in measures page.

## Firmware Version 6.3.4

### **New features in this firmware version:**

- Integrated the following devices:
  - Masterpact MTZ circuit breakers
  - Acti 9 Smartlink SI B gateways
  - PowerTag energy sensors

## Firmware Version 6.2.2

### **New features in this firmware version:**

- Optimized scan in General view
- Added Refresh button to refresh IMU names and Smartlink names
- Removed date and time
- Added Turkish language

## Firmware Version 6.1.1

### **New features in this firmware version:**

- Added RBAC access management with three levels: Guest, Operator, Administrator
- Added the following communication settings:
  - Extended auto-discovery from single gateway to several gateways
  - Manual addition of additional single IP devices from General view
  - Communication settings displayed from General view
- Added IMU location feature
- Added Czech language

## Related Documents

The following table lists documents updated for FDM128 display with firmware version 7.0.11:

Title of documentation	Publication date	Reference number
<i>Enerlin'X FDM128 Ethernet Display for Eight Devices – User Guide</i>	03/2019	<a href="#"><u>DOCA0037EN-07</u></a> <a href="#"><u>DOCA0037ES-07</u></a> <a href="#"><u>DOCA0037FR-07</u></a> <a href="#"><u>DOCA0037ZH-07</u></a>

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