



XFACE M

The **face recognition** reader
with integrated thermoscanner

XFace M is the face recognition reader compatible with the AxesstMC terminals and with the XAtlas access control software.

XFace M is the face recognition reader designed for AxesstMC terminals. It is based on a reliable deep learning algorithm running inside XFace M. The fake-proof algorithm can work together with the integrated thermoscanner to prevent the recognition if the temperature is outside the configured temperature range (e.g. below 35 degrees or warmer than 38). The reflective surface makes it easy to position the face without using a display and the integrated LEDs improve performance even in non-optimal lighting conditions.

Thanks to the IP55 protection rating, the device is also suitable for outdoor installation. The recognition result is sent to the master via RS485 SPP or via Ethernet if XFace M works in the XAtlas system.

Only for installations in UE: pay attention to the line of conducts issued by the GDPR Supervisory Authority.

OPERATION WITH TERMINALS OR CONTROLLERS (RS485 CONNECTION)

Face recognition is performed locally, within XFace M. The result of the recognition is sent via RS485 SPP to the master device (terminal or controller), exactly as it happens with others AxesstMC readers. The LED bars of XFace M are controlled by the terminal/controller and will light up green or red if the user is authorised or not. Registration of new users (face enrollment) is performed by uploading the photos in jpg format into a folder in the XFace M memory via encrypted protocols. Enrollment can also be performed via web, with any browser connected to the XFace M web server, which provides a simple wizard. User's image can be captured by XFace M built in camera or the PC's camera (integrated camera or USB camera).

OPERATION IN XATLAS SYSTEM V24 AND LATER

(ETHERNET CONNECTION)

1. Enrollment can be carried out via XAtlas which then uploads the biometric templates to XFace M via Ethernet with secure protocols (in this scenario users photos are stored in XAtlas database only).
2. XFace M performs the recognition locally using the biometric templates received from XAtlas.
3. Once the user is recognised, XFace M sends the relevant code to the Field Manager.

TECHNICAL SPECIFICATIONS

MAIN FEATURES	<ul style="list-style-type: none"> • Raspberry 4 with 4 GB RAM • No display – Reflective surface for correct positioning of the face • RGB LEDs controllable by the Master device • Speaker for sounds • Ethernet, native POE • 2 Mpx video camera, thermal scanner and IR illuminator • IP65 protection rating
VERSIONS	XFace M is available with 3 memory sizes: 10.000, 25.000 or 100.000 templates (stored in XFace M internal memory).
COMPATIBILITY	XFace M is designed to be connected to AxesTMC terminals and controllers
ENROLLMENT	uploading JPG pictures of the users via secure FTP • acquiring users images via WEB procedure from: <ul style="list-style-type: none"> • the XFace M integrated camera • computer camera (integrated or USB) • using XAtlas
THERMOSCANNER	Can prevent face detection if the temperature is out of range (configurable). Can also be used independently to detected user temperature and add it to the terminal access control functions.
POWER SUPPLY	POE or external DC power supply
SIZE	120x130x52 – HxLxD
OTHER INFORMATION	Different brackets are available to match any installation need: <ul style="list-style-type: none"> • Turnstile brackets for standalone installation of together with X3 terminal • Wall mounting bracket for stand alone installation or together with X3 terminal

I Application example of XFace M on X3 terminal

