



# FXR90 Ultra-Rugged Fixed RFID Readers

Accessories Guide



January 2024

# Power Supply Units

**PWR-BGA24V90W0WW**



Level VI AC/DC Power Supply Brick, IP67 Sealed. AC Input: 100-240V, 1.4A; DC Output: 24V, 3.75A, 90W, -40 to +65 Degrees C. Requires: Country specific grounded AC line cord

**PWR-BGA24V78W3WW**



Level VI AC/DC Power Supply Brick, Unsealed. AC Input: 90-264V, 3A; Output: 24V, 3.25A, 78W, -20 TO +55 Degrees C. Requires: Country specific grounded AC line cord

**PWR-BGA24V90W1WW**



DC/DC Power Supply Brick, IP67 Sealed. DC Input: 9-60V, 17.2A; Output: 24V, 3.75A, 90W, -40 TO +65 Degrees C.

# PSU to Reader Power Cables

**CBL-PWRD035-M12M12**



M12 to M12 DC Output Line Cord, 3.5 meter.  
Requires PWR-BGA24V90W0WW or  
PWR-BGA24V90W1WW power supply.

**CBL-PWRD100-M12M12**



M12 to M12 DC Output Line Cord, 10 meter.  
Requires PWR-BGA24V90W0WW or  
PWR-BGA24V90W1WW power supply.

# IP67 Sealed AC/DC PSU to Source Power Cables

Cables for PWR-BGA24V90W0WW

**CBL-PWRA150-M1200**



M12 to Flying Leads, AC Input Line Cord, 15 meter. Requires PWR-BGA24V90W0WW and either CBL-PWRD035-M12M12 or CBL-PWRD100-M12M12.

**CBL-PWRA035-M12IEC**



M12 to IEC Plug, AC Input Line Cord, 3.5 meter. Requires PWR-BGA24V90W0WW, either CBL-PWRD035-M12M12 or CBL-PWRD100-M12M12, and country specific grounded AC line cord.

# IP67 Sealed DC/DC PSU to Source Power Cables

Cables for PWR-BGA24V90W1WW

**CBL-PWRD150-M1200**



M12 to Flying Leads, DC Input Line Cord, 15 meter. Requires PWR-BGA24V90W1WW. For use with 9-60VDC source.

# Reader Direct to Source Power Cables (No PSU Required)

Power source must provide conditioned power

**CBL-PWRD035-M12CL**



M12 to 12V Auto Auxiliary Power Outlet Adaptor (Cigarette Lighter), 3.5 meter. No power supply required.

**CBL-PWRD035-M1200**



M12 to Flying Leads, DC Power Cord, 3.5 meter. No power supply required. For use with 12-24VDC source.

**CBL-PWRD100-M1200**

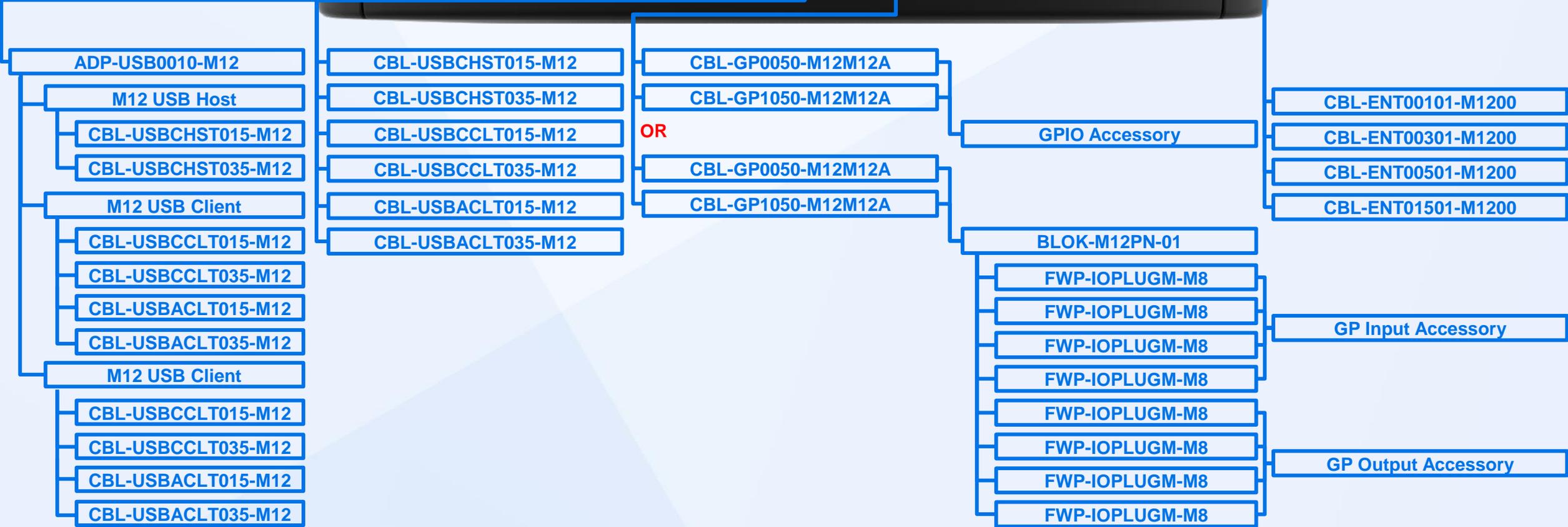


M12 to Flying Leads, DC Power Cord, 10 meter. No power supply required. For use with 12-24VDC source.

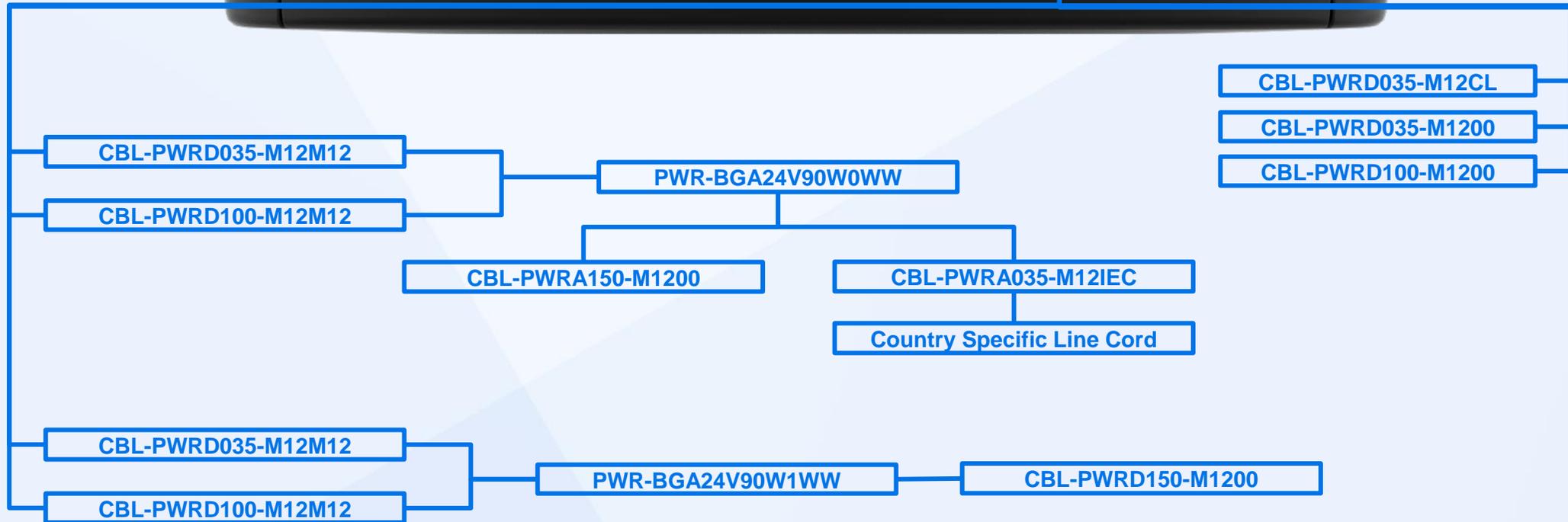
# Reader Accessories Diagram



OR



# Reader Power Supply Diagram



# General Purpose Input/Output (GPIO) Cables

**CBL-GP0050-M12M12A**



M12 to M12 A-Coded Male GPIO Accessory Cable, 5 meter

**CBL-GP1050-M12M12A**



M12 to M12 A-Coded Male GPIO Accessory Cable, M12 GPIO Power Input, 5 meter. Requires Any FXR90 Power Supply and Supporting Cables.

# General Purpose Input/Output (GPIO) Breakout Box

**BLOK-M12PN-01**



GPIO NPN Breakout Block for use with FXR90. Features 12-Pin M12 GPIO/DC Power Input CONNECTOR, 4x M8 3-Pin GP Inputs, 4x M8 3-Pin GP Outputs.

**FWP-IOPLUGM-M8**



Field-Wireable M8 I/O Plug 3-Pin Male for use with BLOK-M12PN-01 Breakout Box

# USB Splitter

Splits the FXR90's USB port out to one M12 USB host port and one USB client port

**ADP-USB0010-M12**



M12 Plug to M12 Jack host1, M12 Jack host 2 and M12 Jack client: 3-way USB Splitter (M12 Male to 3x M12 Female): Provides two USB host and one USB client port.

# USB-C Client Cables

Used to connect the FXR90 to a host

**CBL-USBCCLT015-M12**



M12 to USB-C Male Client Cable, 1.5 meter

**CBL-USBCCLT035-M12**



M12 to USB-C Male Client Cable, 3.5 meter

# USB-A Client Cables

Used to connect the FXR90 to a host

**CBL-USBACT015-M12**



M12 to USB-A Male Client Cable, 1.5 meter

**CBL-USBACT035-M12**



M12 to USB-A Male Client Cable, 3.5 meter

# USB-C Host Cables

Used to connect USB C accessories to the FXR90

**CBL-USBCHST015-M12**



M12 to USB-C Female Receptacle Host Cable, 1.5 meter

**CBL-USBCHST035-M12**



M12 to USB-C Female Receptacle Host Cable, 3.5 meter

# Ethernet Cables

Part Number	Description
CBL-ENT00101-M1200	M12X to RJ45 Ethernet Cable, 1m
CBL-ENT00301-M1200	M12X to RJ45 Ethernet Cable, 3m
CBL-ENT00500-M1200	M12X to RJ45 Ethernet Cable, 5m
CBL-ENT01501-M1200	M12X to RJ45 Ethernet Cable, 15m



# RP-TNC to SMA RF Antenna Cables

Part Number	Description
CBLRD-1C4000600R	Antenna Cable: 60" LMR-240, RP-TNC STR Plug to SMA STR Plug, IP67 Sealed
CBLRD-1C4001200R	Antenna Cable: 120" LMR-240, RP-TNC STR Plug to SMA STR Plug, IP67 Sealed
CBLRD-1C4001800R	Antenna Cable: 180" LMR-240, RP-TNC STR Plug to SMA STR Plug, IP67 Sealed
CBLRD-1C4002400R	Antenna Cable: 240" LMR-240, RP-TNC STR Plug to SMA STR Plug, IP67 Sealed
CBLRD-1C4003600R	Antenna Cable: 360" LMR-240, RP-TNC STR Plug to SMA STR Plug, IP67 Sealed



# RP-TNC to Type N RF Antenna Cables

Part Number	Description
CBLRD-1B4000680R	Antenna Cable: 68" LMR-240, RP-TNC STR Plug to N 90 Degree Plug
CBLRD-1B4001800R	Antenna Cable: 180" (15') LMR-240, RP-TNC STR Plug to N 90 Degree Plug
CBLRD-1B4002400R	Antenna Cable: 240" (20') LMR-240, RP-TNC STR Plug to N 90 Degree Plug
CBLRD-1B4003600R	Antenna Cable: 360" (30') LMR-240, RP-TNC STR Plug to N 90 Degree Plug



# RP-TNC to Type N RF Antenna Cables

Part Number	Description
CBLRD-3B4000680R	Antenna Cable: 68" LMR-240, RP-TNC STR Plug to N STR Plug, IP67 Sealed
CBLRD-3B4001800R	Antenna Cable: 180" (15') LMR-240, RP-TNC STR Plug to N STR Plug, IP67 Sealed
CBLRD-3B4002400R	Antenna Cable: 240" (20') LMR-240, RP-TNC STR Plug to N STR Plug, IP67 Sealed
CBLRD-3B4003600R	Antenna Cable: 360" (30') LMR-240, RP-TNC STR Plug to N STR Plug, IP67 Sealed



# Mounting Hardware and Adaptor Plate

**MNT-100100MM-01**



Heavy Duty 100 x 100mm VESA Mount (Wall or Pole)

**ADP-200100MM-01**



Heavy Duty Adaptor Plate. Converts 100 x 100mm VESA Mount to 200 x 100mm. For use with MNT-100100MM-01.

# Wi-Fi and Cellular/GPS Antennas

**ANT-WLANIP6-90SMA**



Articulating Outdoor IP67 Sealed WLAN Antenna, 124 mm, SMA Connector

**ANT-WLANIP0-90SMA**



Articulating Indoor WLAN Antenna, 109 mm, SMA Connector

**ANT-4G5GGPS010-SMA**



FXR90 4G/5G/GPS Antenna, 1 Meter Cable, 4x SMA Male Connectors, Black\*

\*Required for Cellular and/or GPS operation