



| Way forward on W700

SCALANCE W780/W740

Process, Slides, Migration to WxM76x or W770/W730

What suits best to your application?

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Moving to SCALANCE WxM76x-1

SCALANCE W780/W40 to be replaced by
SCALANCE WAM766-1 respectively **SCALANCE WAM763-1**

Pro for WxM766-1/WxM763-1:

- Wi-Fi 6 (higher data rates and advanced wireless features) (brutto 450 Mbit/s (W780) vs. 1201 Mbit/s (W700))
- Smaller housing
- Additional DI/DO and sleep mode
- WAM763-1 with 4 ethernet ports

Possible application specific constraints:

- Real time support (iPCF-2) expected in Q4/2022
- Different form factor to W788/W786
- No outdoor certificate



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Moving to SCALANCE W770/W730

SCALANCE W780/W40 can be substituted by
SCALANCE W70/W730

Pro for SCALANCE W70/W730

- Smaller footprint
- Decreased costs
- Support of same iFeatures as W780/W740, except for iPCF-MC

Possible application specific constraints:

- No digital signaling
- No outdoor certificate



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What suits best to your application?

SCALANCE W780/W740



- W780/W740: Devices have been available for more than 10 years
- **W780/W740: announced to be discontinued**

- Portfolio got enhanced by
 - SCALANCE W770/W730, also based on IEEE 802.11n



- SCALANCE WxM76x, based on newest standard IEEE 802.11ax (Wi-Fi 6)



High level comparison

SCALANCE W780/W740 vs. W770/W730

Characteristic	SCALANCE W780/W740	SCALANCE W770/W730
Wireless standard	IEEE 802.11n	IEEE 802.11n
iFeatures	Yes, including iPCF	Yes, including iPCF
Protection class	IP30 & IP65*	IP30 & IP65*
Mechanical footprint	251 x 251 x 72 mm* 200 x 158 x 79 mm*	140 x 160 x 45 mm* 26 x 156 x 127 mm*
List price		Roughly 10% below W780/W740

* depending on model

** list price EUR for Germany

High level comparison

SCALANCE W780/W740 vs. SCALANCE WxM76x

Characteristic	SCALANCE W780/W740	SCALANCE WxM76x
Wireless standard	IEEE 802.11n	IEEE 802.11ax (Wi-Fi 6)
iFeatures	Yes, including iPCF	Yes, iPCF-2 in development**
Protection class	IP30 & IP65*	IP30 & IP65*
Mechanical footprint	251 x 251 x 72 mm* 200 x 158 x 79 mm*	35 x 157 x 137 mm* 150 x 179 x 45 mm*
List price		Roughly cost neutral for newer technology

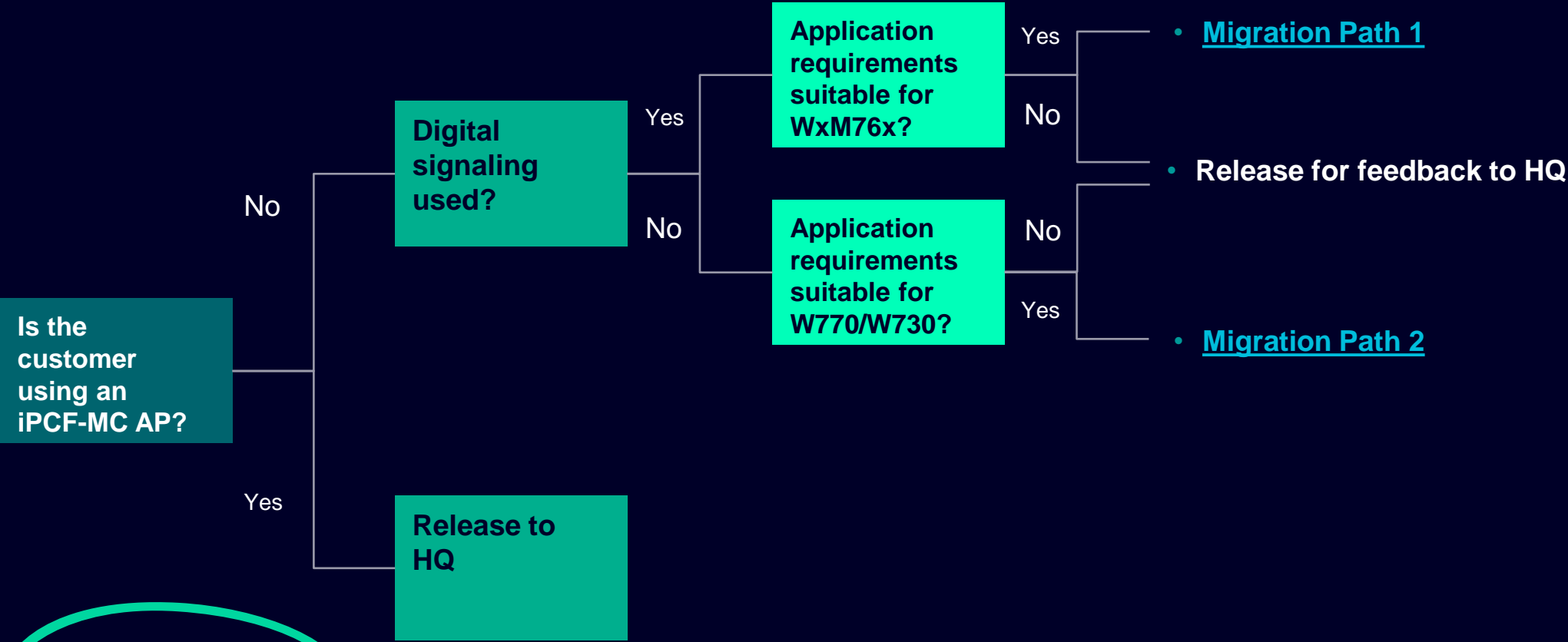
* depending on model

** will not be compatible with iPCF



What suits best to your application?

Decision Tree



Outdoor requires application specific accessory like an external housing

Check country approvals at www.siemens.com/wireless-approvals

Moving to SCALANCE WxM76x-1

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Pro for WxM766-1/WxM763-1:

- Wi-Fi 6 (higher data rates and advanced wireless features) (brutto 450 Mbit/s (W780) vs. 1201 Mbit/s (W700))
- Smaller housing
- Additional DI/DO and sleep mode
- WAM763-1 with 4 ethernet ports

Possible application specific constraints:

- Real time support (iPCF-2) expected in Q4/2022
- Different form factor to W788/W786
- No outdoor certificate



W786 RJ45 & W786-2 SFP IP65

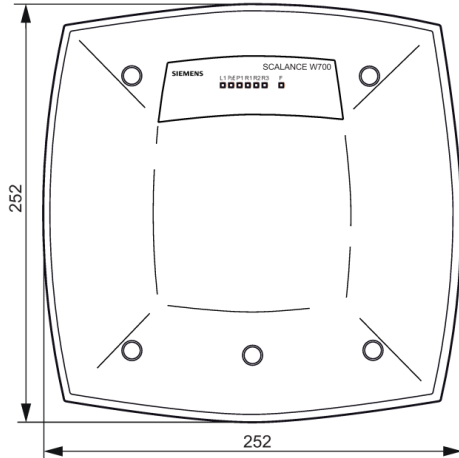
Access Point W786 RJ45

6GK5786-xFC00-0AA0
6GK5786-2HC00-0AA0
x = 1 or 2 interfaces



Access Point W786-2 SFP

6GK5786-2FE00-0AA0

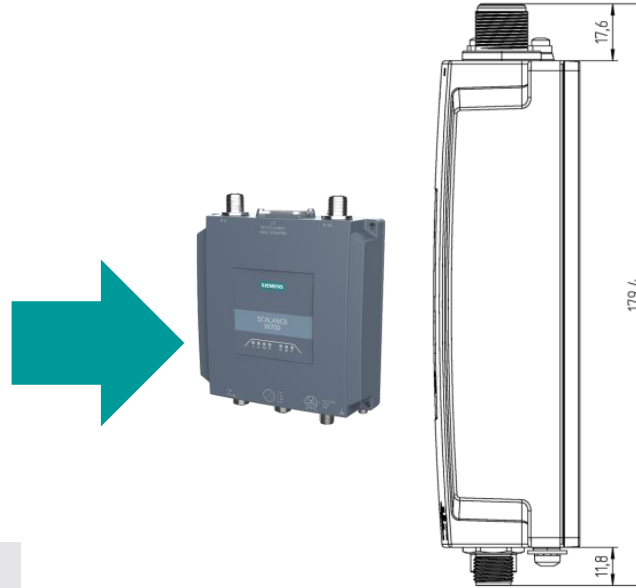


Technical Data

Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	450 Mbit/s per radio
Antenna connector	3 x or 6 x R-SMA-socket (Dual Radio AP)
LAN-Connector	1 x RJ45 (10/100/1000 Mbit/s with 4x2 wire) or 2x SFP (1000MBit/s)
Power	24 V DC (4 Pin terminal block) 100-240V AC or 12-24V DC (external power supply) PoE Class 3
Operating temperature	-40 °C until +60 °C

Access Point WAM766-1

6GK5766-1GE00-7DA0



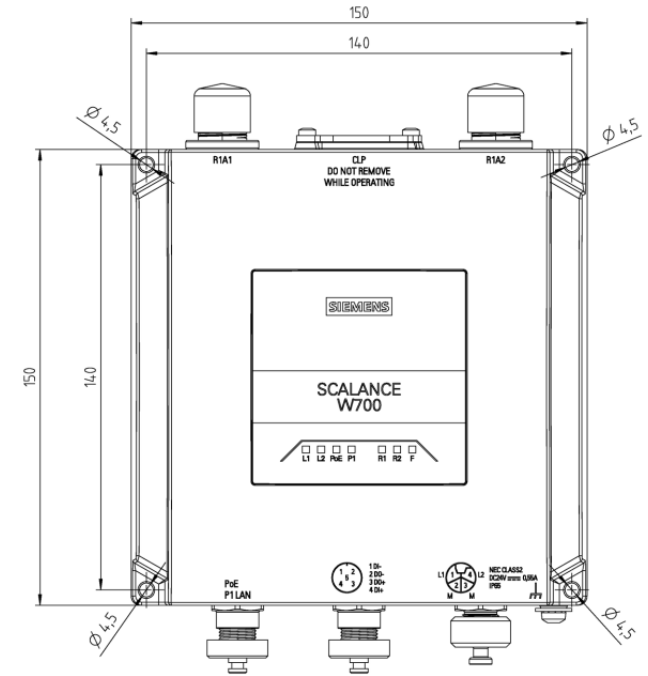
Technical Data

Wireless Standard	IEEE 802.11a/g/n/ac/ax (2,4 GHz & 5GHz)
WLAN throughput	1201 Mbit/s
Antenna connector	2 x N-Connect
LAN-Connector	1 x M12 X coded (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (L coded M12) PoE Class 0, up to 12,95W
Operating temperature	-30 °C until +60 °C

Back to „What suits best?“

Client WUM766-1

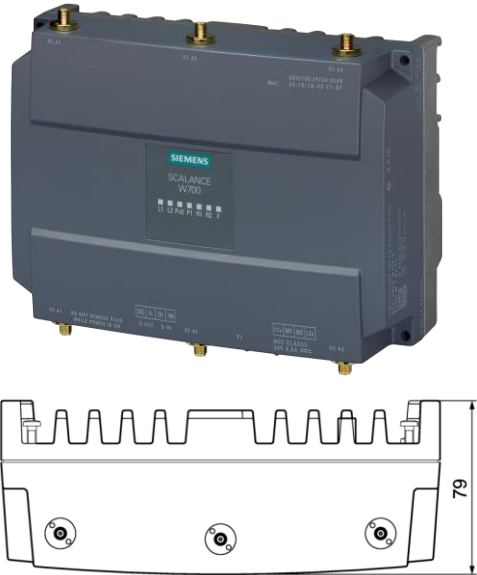
6GK5766-1GE00-3DA0



W788 RJ45 & W748-1 RJ45 IP30

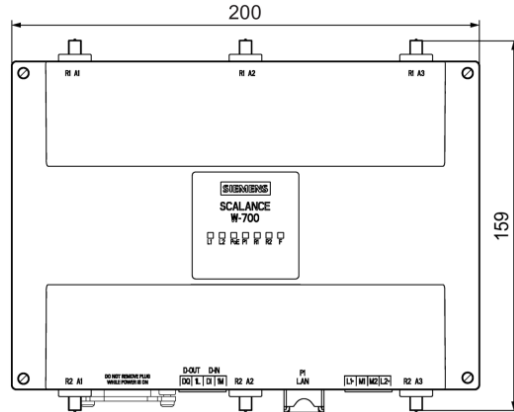
Access Point W788 RJ45

6GK5788-xFC00-0AA0
6GK5788-xFC00-0AB0
x = 1 or 2 interfaces



Client W748-1 RJ45

6GK5748-1FC00-0AA0
6GK5748-1FC00-0AB0



Access Point WAM763-1

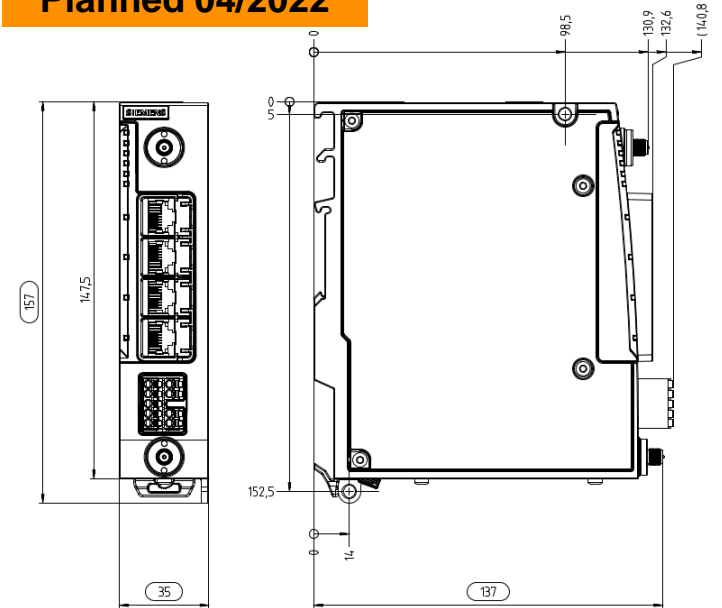
6GK5763-1AL00-7AA0



Client WUM763-1

6GK5763-1AL00-3AA0
6GK5763-1AL00-3DA0

Planned 04/2022



Technical Data

Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	450 Mbit/s per radio
Antenna connector	3 x or 6 x R-SMA (Dual Radio AP)
LAN-Connector	1 x RJ45 (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (4 Pin terminal block) PoE Class 3, up to 12,95W
Operating temperature	-20 °C until +60 °C

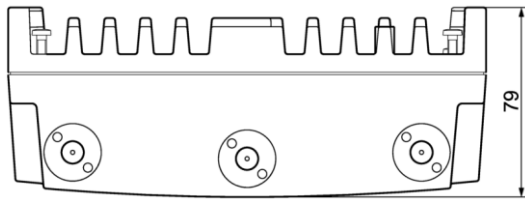
Technical Data

Wireless Standard	IEEE 802.11a/g/n/ac/ax (2,4 GHz & 5GHz)
WLAN throughput	1201 Mbit/s
Antenna connector	2 x R-SMA-socket
LAN-Connector	4 x RJ45 (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (5 Pin terminal block) PoE Class 3, up to 12,95W
Operating temperature	-30 °C until +60 °C

W788 M12 & W748-1 M12 IP65

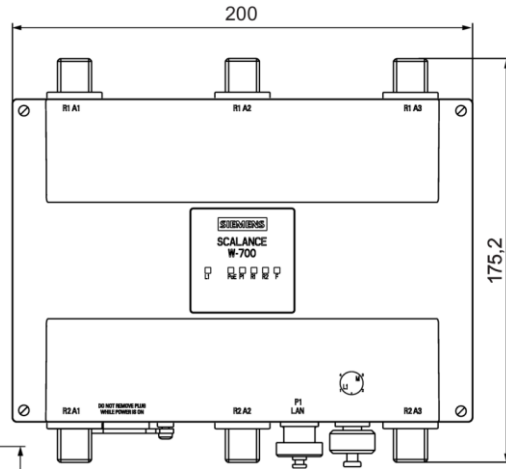
Access Point W788 M12

6GK5788-xGD00-0AA0
6GK5788-xGD00-0AB0
x = 1 or 2 interfaces



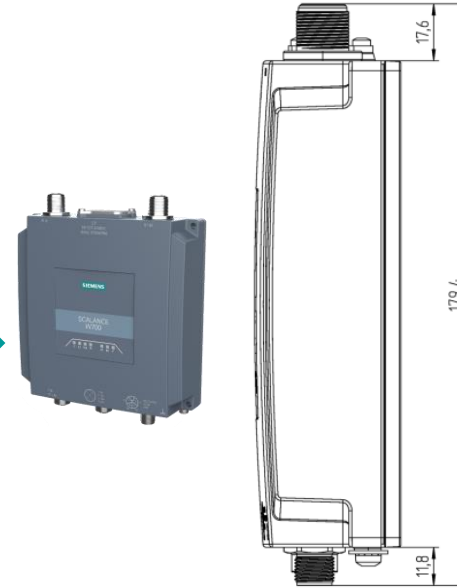
Client W748-1 M12

6GK5748-1GD00-0AA0
6GK5748-1GD00-0AB0



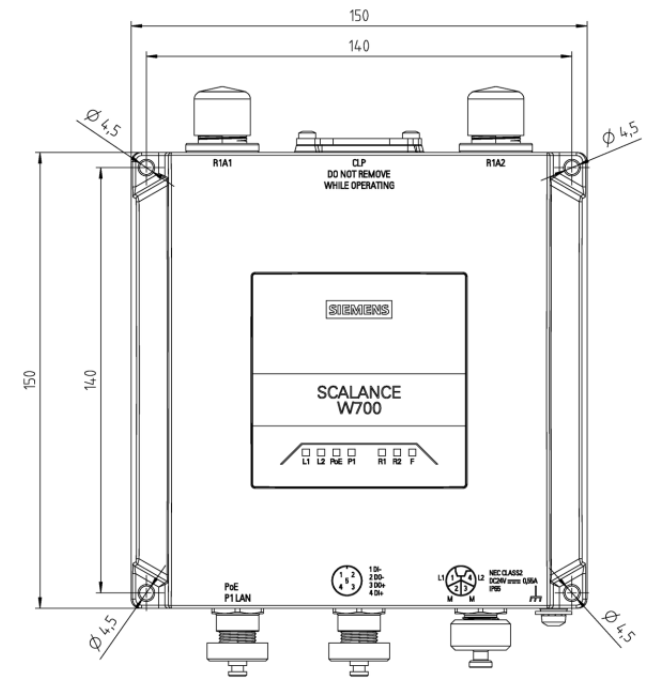
Access Point WAM766-1

6GK5766-1GE00-7DA0



Client WUM766-1

6GK5766-1GE00-3DA0



Technical Data

Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	450 Mbit/s per radio
Antenna connector	3 x or 6 x N-Connect (Dual Radio AP)
LAN-Connector	1 x M12 X coded (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (A coded M12) PoE Class 3, up to 12,95W
Operating temperature	-20 °C until +60 °C

Technical Data

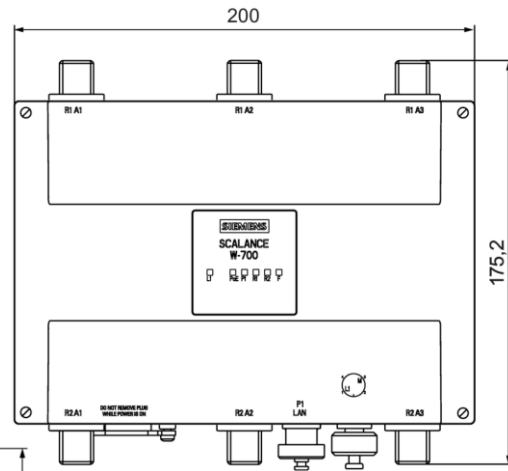
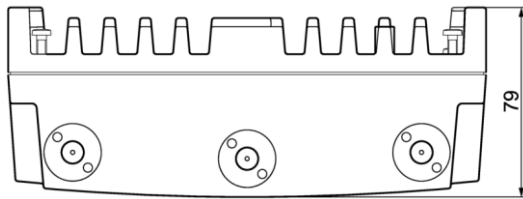
Wireless Standard	IEEE 802.11a/g/n/ac/ax (2,4 GHz & 5GHz)
WLAN throughput	1201 Mbit/s
Antenna connector	2 x N-Connect
LAN-Connector	1 x M12 X coded (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (L coded M12) PoE Class 0, up to 12,95W
Operating temperature	-30 °C until +60 °C

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W788-2 M12 EEC IP65

Access Point W788 M12

6GK5788-2GD00-0TA0
6GK5788-2GD00-0TB0



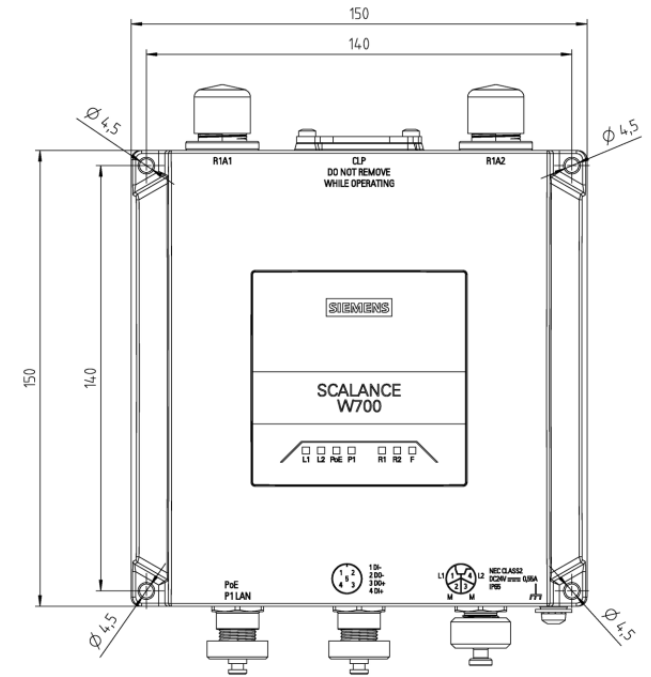
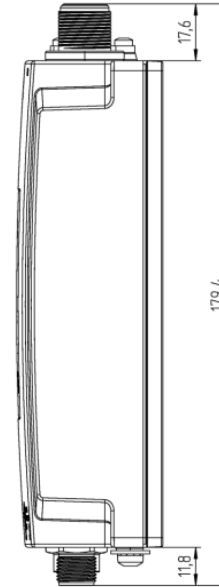
Technical Data

Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	450 Mbit/s per radio
Antenna connector	3 x or 6 x N-Connect (Dual Radio AP)
LAN-Connector	1 x M12 X coded (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (A coded M12) PoE Class 3, up to 12,95W
Operating temperature	-40 °C until +70 °C

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Access Point WAM766-1 EEC

6GK5766-1GE00-7TA0



Technical Data

Wireless Standard	IEEE 802.11a/g/n/ac/ax (2,4 GHz & 5GHz)
WLAN throughput	1201 Mbit/s
Antenna connector	2 x N-Connect
LAN-Connector	1 x M12 X coded (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (L coded M12) PoE Class 0, up to 12,95W
Operating temperature	-30 °C until +75 °C

Moving to SCALANCE W770/W730

SCALANCE W780/W740 can be substituted by
SCALANCE W70/W730

Pro for SCALANCE W70/W730

- Smaller footprint
- Decreased costs
- Support of same iFeatures as W780/W740, except for iPCF-MC

Possible application specific constraints:

- No digital signaling
- No outdoor certificate



W786 RJ45 & W786-2 SFP IP65

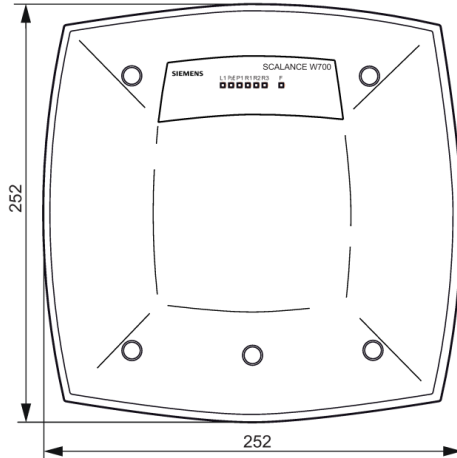
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Access Point W786 RJ45

6GK5786-xFC00-0AA0
6GK5786-2HC00-0AA0
x = 1 or 2 interfaces

Access Point W786-2 SFP

6GK5786-2FE00-0AA0

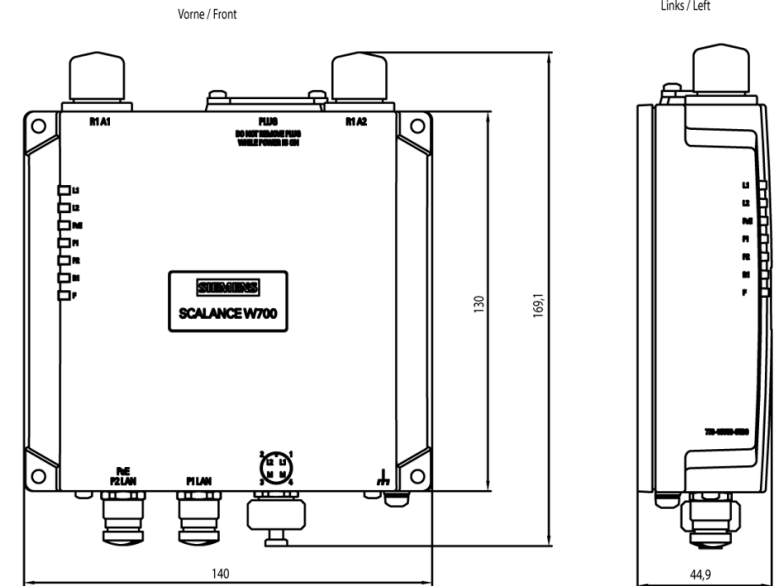


Access Point W778-1 M12

6GK5778-1GY00-0AA0

Client W738-1 M12

6GK5738-1GY00-0AA0



Technical Data

Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	450 Mbit/s per radio
Antenna connector	3 x or 6 x R-SMA-socket (Dual Radio AP)
LAN-Connector	1 x RJ45 (10/100/1000 Mbit/s with 4x2 wire) or 2x SFP (1000MBit/s)
Power	24 V DC (4 Pin terminal block) 100-240V AC or 12-24V DC (external power supply) PoE Class 3
Operating temperature	-40 °C until +60 °C

Technical Data

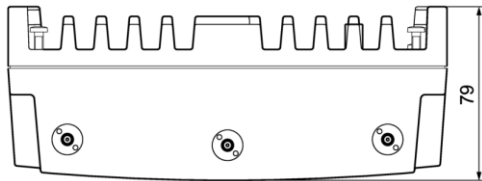
Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	300 Mbit/s
Antenna connector	2 x N-Connect
LAN-Connector	2 x M12 D-coded (10/100 Mbit/s with 2x2 wire)
Power	24 V DC (A-coded M12) PoE Class 0, up to 12,95W
Operating temperature	-30 °C until +60 °C

W788 RJ45 & W748-1 RJ45 IP30

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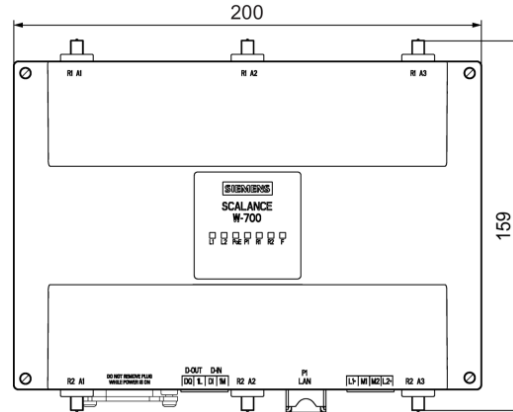
Access Point W788 RJ45

6GK5788-xFC00-0AA0
6GK5788-xFC00-0AB0
x = 1 or 2 interfaces



Client W748-1 RJ45

6GK5748-1FC00-0AA0
6GK5748-1FC00-0AB0



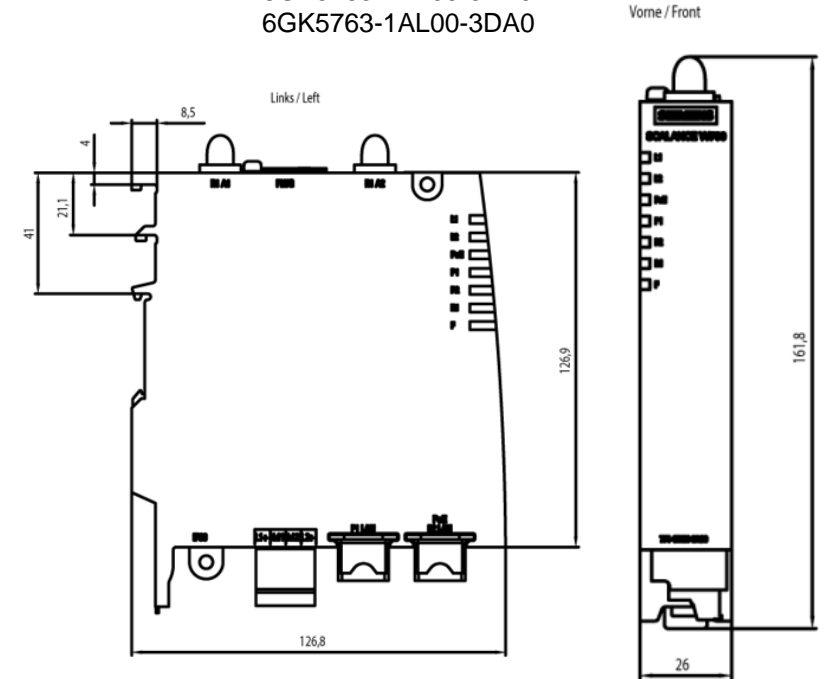
Access Point WAM763-1

6GK5763-1AL00-7AA0



Client WUM763-1

6GK5763-1AL00-3AA0
6GK5763-1AL00-3DA0



Technical Data

Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	450 Mbit/s per radio
Antenna connector	3 x or 6 x R-SMA (Dual Radio AP)
LAN-Connector	1 x RJ45 (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (4 Pin terminal block) PoE Class 3, up to 12,95W
Operating temperature	-20 °C until +60 °C

Technical Data

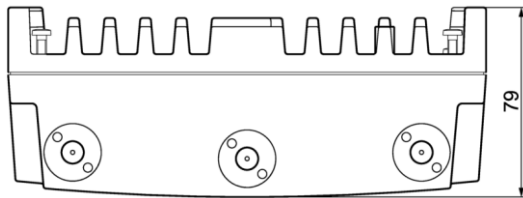
Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	300 Mbit/s
Antenna connector	2 x R-SMA-socket
LAN-Connector	2 x RJ45 (10/100 Mbit/s)
Power	24 V DC (4 Pin terminal block) PoE Class 3, up to 12,95W
Operating temperature	-30 °C until +60 °C

W788 M12 & W748-1 M12 IP65

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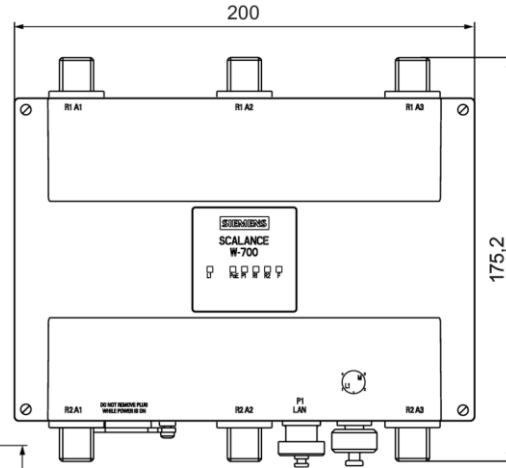
Access Point W788 M12

6GK5788-xGD00-0AA0
6GK5788-xGD00-0AB0
x = 1 or 2 interfaces



Client W748-1 M12

6GK5748-1GD00-0AA0
6GK5748-1GD00-0AB0



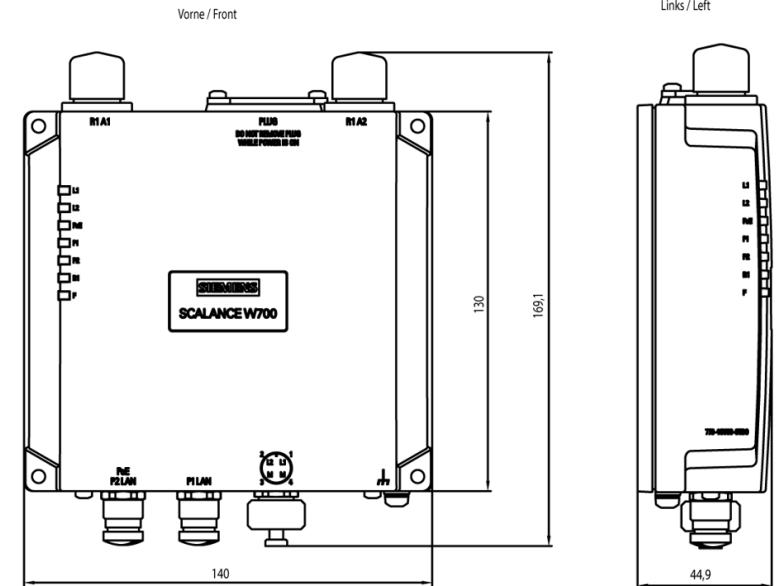
Access Point W778-1 M12

6GK5778-1GY00-0AA0



Client W738-1 M12

6GK5738-1GY00-0AA0



Technical Data

Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	450 Mbit/s per radio
Antenna connector	3 x or 6 x N-Connect (Dual Radio AP)
LAN-Connector	1 x M12 X coded (10/100/1000 Mbit/s with 4x2 wire)
Power	24 V DC (A coded M12) PoE Class 3, up to 12,95W
Operating temperature	-20 °C until +60 °C

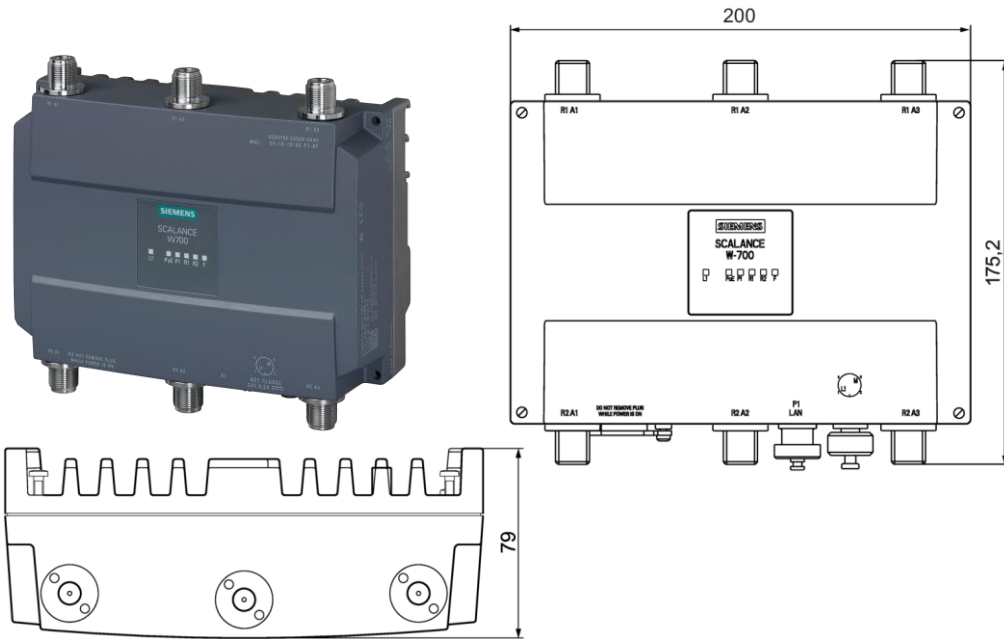
Technical Data

Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
WLAN throughput	300 Mbit/s
Antenna connector	2 x N-Connect
LAN-Connector	2 x M12 D-coded (10/100 Mbit/s with 2x2 wire)
Power	24 V DC (A-coded M12) PoE Class 0, up to 12,95W
Operating temperature	-30 °C until +60 °C

W788-2 M12 EEC IP65

Access Point W788 M12

6GK5788-2GD00-0TA0
6GK5788-2GD00-0TB0



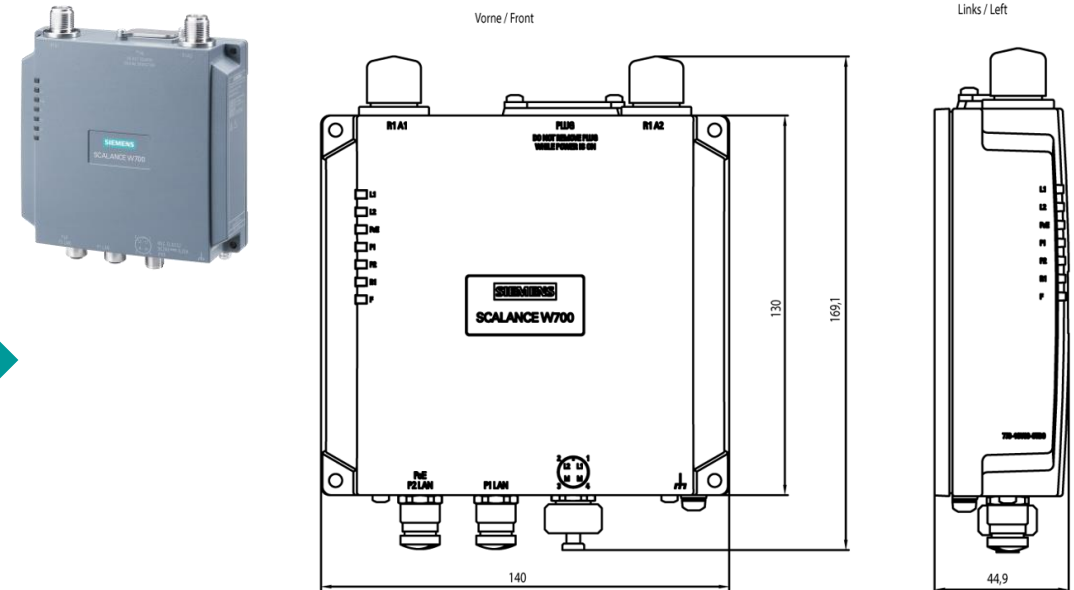
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Operating temperature	-40 °C until +70 °C

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Access Point W778-1 EEC

6GK5778-1GY00-0TA0



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Wireless Standard	IEEE 802.11a/g/n (2,4 GHz & 5GHz)
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Power	24 V DC (A-coded M12) PoE Class 0, up to 12,95W
Operating temperature	-30 °C until +60 °C

| Contact

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