

## FORCEPOINT NGFW MODULES

### MODULES FOR FORCEPOINT NGFW APPLIANCES

| Ethernet Modules                       | Quad-Port Gigabit Ethernet Copper Module                                    | Eight-Port Gigabit Ethernet Copper Module                                   | Dual-Port 10 Gigabit Ethernet Copper Module                                                                        | Quad-Port SFP Gigabit Ethernet Module                        | Quad-Port SFP+ 10 Gigabit Ethernet Module | Dual-Port 40 Gigabit Ethernet |
|----------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------|-------------------------------|
| <b>Speed</b>                           | 10/100/1000 Mbit/s                                                          | 10/100/1000 Mbit/s                                                          | 100/1000/10000 Mbit/s                                                                                              | 1000 Mbit/s                                                  | 10 Gbit/s                                 | 40 Gbit/s                     |
| <b>Standard</b>                        | 1000BASE-T, 100BASE-TX, 10BASE-T                                            | 1000BASE-T, 100BASE-TX, 10BASE-T                                            | 10GBASE-T, 1000BASE-T, 100BASE-TX                                                                                  | SFP Gigabit Ethernet (1000BASE-SX, 1000BASELX10, 1000BASE-T) | SFP+ 10 Gigabit Ethernet                  | QSFP+ 40 Gigabit Ethernet     |
| <b>Maximum Link Length<sup>1</sup></b> | 100BASE-TX Category 5 maximum 100 m<br>1000BASE-T Category 5e maximum 100 m | 100BASE-TX Category 5 maximum 100 m<br>1000BASE-T Category 5e maximum 100 m | 100BASE-TX Category 5 maximum 100 m<br>1000BASE-T Category 5e maximum 100 m<br>10GBASE-T Category 6a maximum 100 m | —                                                            | —                                         | —                             |
| <b>Operating Temperatures</b>          | 0°C–50°C (32°F–122°F)                                                       | 0°C–45°C (32°F–113°F)                                                       | 0°C–50°C (32°F–122°F)                                                                                              | 0°C–50°C (32°F–122°F)                                        | 0°C–50°C (32°F–122°F)                     | 0°C–50°C (32°F–122°F)         |
| <b>Ports</b>                           | 4                                                                           | 8                                                                           | 2                                                                                                                  | 4                                                            | 4                                         | 2                             |
| <b>Weight</b>                          | 350 g (0.77 lbs)                                                            | 500 g (1.10 lbs)                                                            | 300 g (0.66 lbs)                                                                                                   | 420 g (0.92 lbs)                                             | 540 g (1.19 lbs)                          | 455 g (1.00 lbs)              |
| <b>RSS Queues</b>                      | 1                                                                           | 8                                                                           | 16                                                                                                                 | 8                                                            | 16                                        | 16                            |
| <b>PCI Express Version</b>             | 2.0                                                                         | 2.0                                                                         | 2.0                                                                                                                | 2.0                                                          | 3.0                                       | 3.0                           |
| <b>Order Information</b>               | MOG4                                                                        | MOG8                                                                        | MO102                                                                                                              | MOGF4                                                        | MOE10F4                                   | MO40F2                        |

**MODULES FOR FORCEPOINT NGFW APPLIANCES**

| <b>Fail-Open Ethernet Modules</b>      | Quad-Port Gigabit Ethernet Copper Fail-Open Module                          | Dual-Port 10 Gigabit Ethernet Fail-Open Module                                                                     | Quad-Port Gigabit Ethernet Fiber (SX) Fail-Open Module | Dual-Port Fiber (SR) 10GB Fail-Open Module | Dual-Port Fiber (LR) 10GB Fail-Open Module |
|----------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------|--------------------------------------------|
| <b>Speed</b>                           | 10/100/1000 Mbit/s                                                          | 100/1000/10000 Mbit/s                                                                                              | 1000 Mbit/s                                            | 10 Gbit/s                                  | 10 Gbit/s                                  |
| <b>Standard</b>                        | 1000BASE-T, 100BASE-TX, 10BASE-T                                            | 10GBASE-T, 1000BASE-T, 100BASE-TX                                                                                  | 1000BASE-SX, LC connectors                             | 10GBASE-SR, LC connectors                  | 10GBASE-LR, LC connectors                  |
| <b>Maximum Link Length<sup>2</sup></b> | 100BASE-TX Category 5 maximum 100 m<br>1000BASE-T Category 5e maximum 100 m | 100BASE-TX Category 5 maximum 100 m<br>1000BASE-T Category 5e maximum 100 m<br>10GBASE-T Category 6a maximum 100 m | Multimode fiber: 137 m at 62.5 μm                      | Multimode fiber: 137 m at 62.5 μm          | Single-mode fiber: 5000 m at 9 μm          |
| <b>Operating Temperatures</b>          | 0°C–50°C (32°F–122°F)                                                       | 0°C–50°C (32°F–122°F)                                                                                              | 0°C–50°C (32°F–122°F)                                  | 0°C–50°C (32°F–122°F)                      | 0°C–50°C (32°F–122°F)                      |
| <b>Ports</b>                           | 4 (2 pairs)                                                                 | 2 (1 pair)                                                                                                         | 4 (2 pairs)                                            | 2 (1 pair)                                 | 2 (1 pair)                                 |
| <b>Wavelength</b>                      | —                                                                           | —                                                                                                                  | 850 nm                                                 | 850 nm                                     | 1310 nm                                    |
| <b>Weight</b>                          | 440 g (0.97 lbs)                                                            | 500 g (1.1 lbs)                                                                                                    | 430 g (0.94 lbs)                                       | 430 g (0.94 lbs)                           | 490 g (1.08 lbs)                           |
| <b>RSS Queues</b>                      | 8                                                                           | 16                                                                                                                 | 8                                                      | 16                                         | 16                                         |
| <b>PCI Express Version</b>             | 2.0                                                                         | 2.0                                                                                                                | 2.0                                                    | 2.0                                        | 2.0                                        |
| <b>Order Information</b>               | MOG4B                                                                       | MO102B                                                                                                             | MOGS4B                                                 | MO10S2B                                    | MO10L2B                                    |

MODULES FOR FORCEPOINT NGFW APPLIANCES

| Modules for 300 Series                 | Quad-Port Gigabit Ethernet Module                                           | Quad-Port Fast Ethernet Switch Module | Gigabit Ethernet SFP Module                                   | Dual-Port Gigabit Ethernet bypass                                           |
|----------------------------------------|-----------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Speed</b>                           | 10/100/1000 Mbit/s                                                          | 10/100 Mbit/s                         | 1000 Mbit/s                                                   | 10/100/1000 Mbit/s                                                          |
| <b>Standard</b>                        | 1000BASE-T, 100BASE-TX, 10BASE-T                                            | 100BASE-TX, 10BASE-T                  | SFP Gigabit Ethernet (1000BASE-SX, 1000BASE-LX10, 1000BASE-T) | 1000BASE-T, 100BASE-TX, 10BASE-T                                            |
| <b>Maximum Link Length<sup>1</sup></b> | 100BASE-TX Category 5 maximum 100 m<br>1000BASE-T Category 5e maximum 100 m | 100BASE-TX Category 5 maximum 100 m   | —                                                             | 100BASE-TX Category 5 maximum 100 m<br>1000BASE-T Category 5e maximum 100 m |
| <b>Operating Temperatures</b>          | 0--45°C (+32--113°F)                                                        | 0--45°C (+32--113°F)                  | 0--45°C (+32--113°F)                                          | 0--45°C (+32--113°F)                                                        |
| <b>Ports</b>                           | 4                                                                           | 4                                     | 1                                                             | 2                                                                           |
| <b>Weight</b>                          | 110 g (0.24 lbs)                                                            | 110 g (0.24 lbs)                      | 110 g (0.24 lbs)                                              | 110 g (0.24 lbs)                                                            |
| <b>Order Information</b>               | MMGE4                                                                       | MMFESW4                               | MMGESFP                                                       | MMGE2B                                                                      |

**TRANSCEIVERS FOR FORCEPOINT NGFW MODULES**

| SFP Transceivers                       | Copper SFP Transceiver                                                      | Gigabit Ethernet Multimode SFP Transceiver                         | Gigabit Ethernet Single-Mode SFP Transceiver | 10 Gigabit Ethernet Multimode SFP+ Transceiver                                                                                                                                           | 10 Gigabit Ethernet Single-Mode SFP+ Transceiver | 40GigE QSFP+ 40GBASE-SR4 MM Transceiver                | 40GigE QSFP+ 40GBASE-LR4 Transceiver                                                             |
|----------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Speed</b>                           | 10/100/1000 Mbit/s                                                          | 1000 Mbit/s                                                        | 1000 Mbit/s                                  | 10 Gbit/s                                                                                                                                                                                | 10 Gbit/s                                        | 40 Gbit/s                                              | 40 Gbit/s                                                                                        |
| <b>Standard</b>                        | 1000BASE-T, 100BASE-TX, 10BASE-T                                            | 1000BASE-SX, LC connectors                                         | 1000BASE-LX10, LC connectors                 | 10GBASE-SR, LC connectors                                                                                                                                                                | 10GBASE-LR, LC connectors                        | 40GBASE-SR4, MPO connector                             | Duplex LC receptacles                                                                            |
| <b>Maximum Link Length<sup>1</sup></b> | 100BASE-TX Category 5 maximum 100 m<br>1000BASE-T Category 5e maximum 100 m | Multimode fiber:<br>550 m on 50 µm OM2<br>and 300 m on 62.5 µm OM1 | 10 km on single-mode fiber                   | Multimode fiber:<br>300 m on 50 µm OM3<br>2,000 MHz-km<br>66 m on 50 µm 400 MHz-km<br>26 m on 62.5 µm 166 MHz-km<br>82 m on 50 µm OM2<br>500 MHz-km<br>33 m on 62.5 µm OM1<br>200 MHz-km | 10 km on 9 µm single-mode fiber                  | Multimode fiber:<br>100m on OM3 MMF<br>150m on OM4 MMF | 10 km                                                                                            |
| <b>Operating Temperatures</b>          | 0°C – 70°C<br>(32°F – 158°F)                                                | 0°C – 70°C<br>(32°F – 158°F)                                       | 0°C – 70°C<br>(32°F – 158°F)                 | 0°C – 70°C<br>(32°F – 158°F)                                                                                                                                                             | 0°C – 70°C<br>(32°F – 158°F)                     | 0°C – 70°C<br>(32°F – 158°F)                           | 0°C – 70°C<br>(32°F – 158°F)                                                                     |
| <b>Wavelength</b>                      | —                                                                           | 850 nm                                                             | 1310 nm                                      | 850 nm                                                                                                                                                                                   | 1310 nm                                          | 850 nm                                                 | 1264.5 nm – 1277.5 nm<br>1284.5 nm – 1297.5 nm<br>1304.5 nm – 1317.5 nm<br>1324.5 nm – 1337.5 nm |
| <b>Order Information</b>               | SFPGETX                                                                     | SFPGESX                                                            | SFPGELX                                      | SFP10SR                                                                                                                                                                                  | SFP10LR                                          | SFPQSR                                                 | SFPQLR                                                                                           |

1. Maximum link length is defined as half a distance, as stated by the IEEE 802.3 standard.

**CONTACT**

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